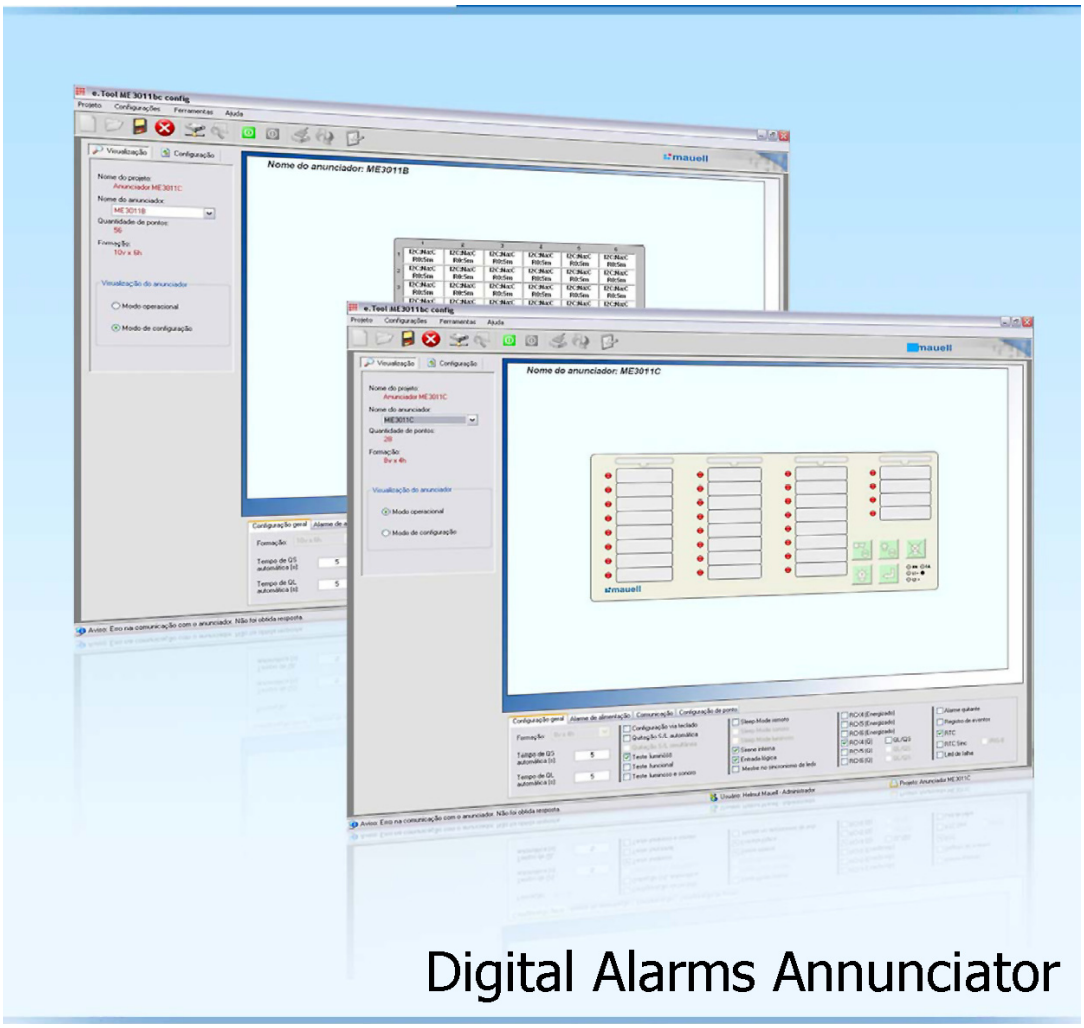
# e.Tool ME3011 config
# User Manual



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| 4.04.1 | 12.09.2011 | tln | Release | |
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| 4.03.1 | 19.11.2009 | tln | Release | |

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# e.Tool ME3011 config User Manual

## Welcome to the e.Tool ME 3011config

Dear Customer, the ***Helmut Mauell GmbH*** thanks you for trusting us on choosing our product.
It is a pleasure to provide you the necessary information about this member of the ME 3011 family.

Mauell's configuration program ***e.Tool config*** is designed to help you create system configurations as well as modify or test existing configurations for any ME 3011 module. Whether you are an experienced system engineer, or not yet proficient with the methods of system configuration, you will soon find out that ***e.Tool config*** is a versatile and powerful configuration tool.

If you have some experience with other Microsoft Windows applications you will be able to quickly familiarize yourself with ***e.Tool config*** as it is similar in many ways.

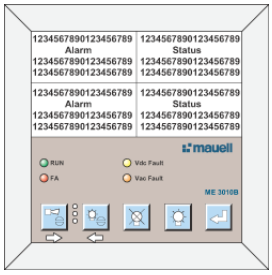
This section contains:

- a general guide to help you start your project design
- basic notes on installation procedures
- instructions for the documentation

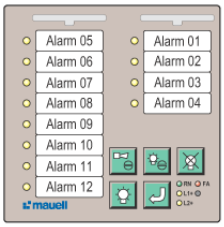
## What is e.Tool ME 3011 config?

This program is a small but efficient configuration tool for the ME 3011 family.
At this time the family consists out of different module types. Most common modules are:

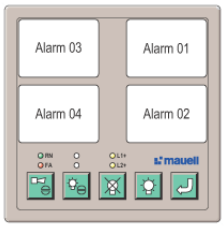
| | | |
|---|---|---|
| ME 3011B | 4 up to | 252 Signals with backlights in aluminum frame |
| ME 3011C | 12 up to | 60 Signals with LED's |
| ME 3011D | 4 up to | 58 Signals with backlights |
| ME 3011E | | 16 Signals with LED's |



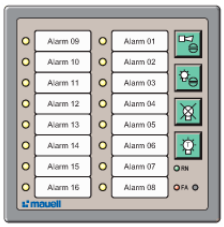

*ME 3011B*




*ME 3011C*




*ME 3011D*




*ME 3011E*

All modules are designed for front panel mounting.

## Scope of this Manual

Because of the multitude of possible configurations in ***e.Tool config***, specific arrangements are not described in full detail in order to maintain a clear and comprehensible form. For additional information, please refer to the specific descriptions supplied by Helmut Mauell GmbH.

We have based the present configuration guide on the following simplifying assumptions:

1. The term Module designates any Annunciator of the ME 3011 family.
2. The shown config is just an example.
3. Configuration of the ***Modbus*** is described in a separate document.

## Other Manuals for ME 3011

There are manuals for every type of module. With every module, you will get a ***Quick Reference Manual***. The ***e.Tool view*** also got a description. Please go to www.mauell.com and search for 3011.

## Installation/Deinstallation

Follow the instructions given below, to install ***e.Tool config*** on your computer.
This section describes the basic procedure for installing ***e.Tool config***, on a stand-alone computer, from a installation file.
For up-to-date information, please go to www.mauell.com and search for 3011.

### *Hardware Requirements and extra-needed Software*

***e.Tool ME 3011 config*** will run on a standard personal computer.
In order to guarantee a flawless performance we recommend the following equipment:

- ***Windows 2000*** (SP3) or ***Windows XP*** (SP2) or better
- Administrator rights during installation
- At least ***1.4 GHz*** processor
- ***512 MB*** RAM, 1024 MB recommended
- ***20 MB*** free disk space on hard disk
- A computer mouse or a compatible pointer instrument
- ***S-VGA*** monitor
- A free serial RS-232 interface for connection to the target system
- Configuration cable for the connection of PC and module
- if necessary
  Microsoft® ***.Net*** Framework 2.0
  Microsoft® ***MDAC*** Data Access-Components 2.8
  Microsoft® ***Excel 2000*** or ***OpenOffice 3*** for special Import/Export-Functions
  Adobe ***Acrobat***® or Acrobat Reader from Version 5.0 for printing the signal labels

**Attention:** If you have questions please refer to ***info@mauell.com*** via e-mail.

***e.Tool config Installation – Basic Guidelines***

The installation will be carried out in one steps by means of a setup program with user guidance. The setup program will not check the version of the already installed components.

Setup of missing components, for example ***.NET Framework 2.0*** or ***MDAC*** have to be executed accordingly. It is mandatory that all existing ***e.Tool config*** installations at your PC have to be uninstalled completely before installation.

All programs, which aren't required during installation, have to be exited!

Requests for a restart have to be complied by all means!

Read the messages and installation dialogues carefully and make the relevant decisions. The following description will explain the installation in detail.

**Attention!** Please read this manual carefully. An incomplete or faulty installation could impede the program start of ***e.Tool config***.

## ***Installation – e.Tool config***

Before you start the installation of ***e.Tool config*** please check under ***Hardware Requirements and extra-needed Software***, if your computer system meets the ***e.Tool config*** requirements. Insufficient system resources may lead to program errors and poor performance.

Make sure that you are logged in with administrator rights in your computer system.

All programs, which are not required during installation, have to be exited!

Uninstall all former ***e.Tool config*** versions from you computer. For this purpose follow the instructions in the section ***e.Tool config Deinstallation***. Already existing configuration can remain if required.

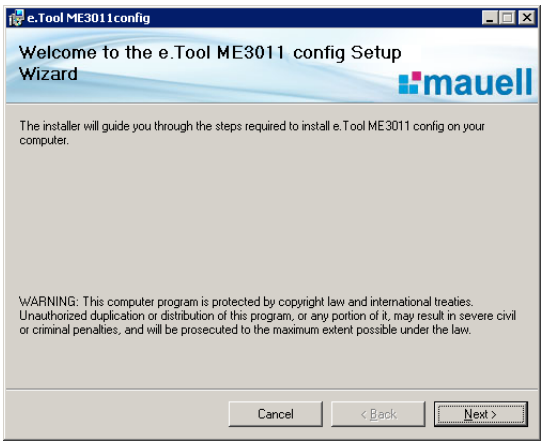
You will get the up to date installation file for the ***e.Tool config*** from our homepage www.mauell.com by searching for 3011. The installation files for ***.Net*** and ***MDAC*** can be downloaded from www.microsoft.com.

Depending on your Windows Version, you must not install the newest program version of Microsoft ***.Net***.

In order to ***start*** the setup program for ***e.Tool config***, make a double-click on the installation file ***e.Tool ME3011 config 4.xx.xx.msi***.

### e.Tool config – Start Screen

The ***e.Tool config*** program must always be installed, if you like to configure any of the ME 3011 modules.

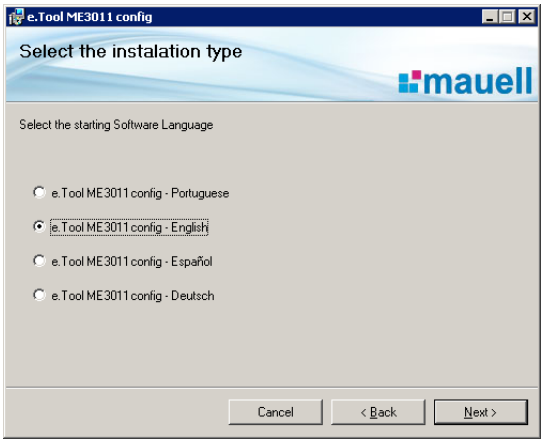

e.Tool ME3011config
Welcome to the e.Tool ME3011 config Setup Wizard
mauell
The installer will guide you through the steps required to install e.Tool ME3011 config on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

*Picture: 0-1001 Install - Start Screen*

Click to the button ***Next*** to continue installation.

## e.Tool config – Language Selection

At this time, you can choose one out of 4 different languages.



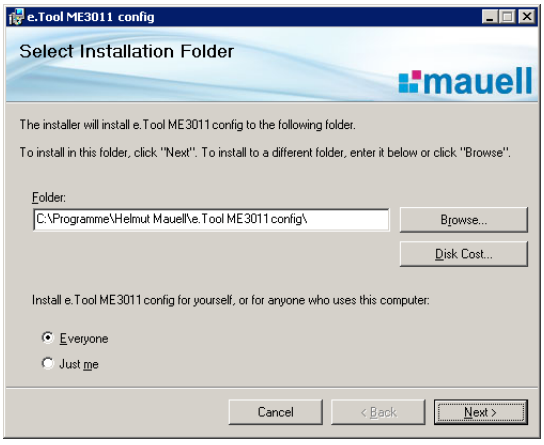

*Picture: 0-1002 Install Language Selection*

Select the desired language with the mouse pointer.
You can also change the *GUI* language after the installation.

Click to the button ***Next*** to continue installation.

## Target Directory

The installation program provides the opportunity to choose any desired program location for the ***e.Tool config*** installation.


e.Tool ME3011 config
Select Installation Folder
mauell
The installer will install e.Tool ME3011 config to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Programme\Helmut Mauell\e.Tool ME3011 config\
Browse...
Disk Cost...
Install e.Tool ME3011 config for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >

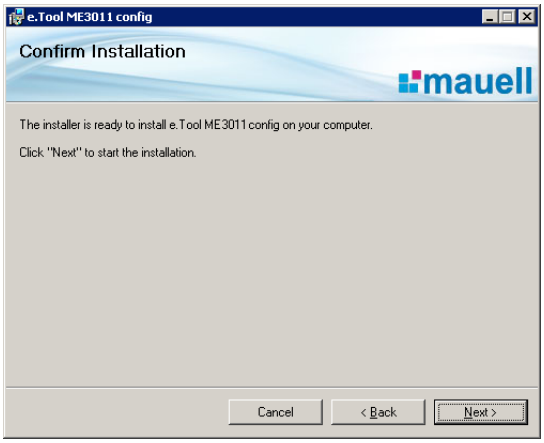
*Picture: 0-1003 Install Folder Select*

For a simplified service procedure we recommend to leave the preset destination location unchanged.
Click on ***Browse...*** if you have to change the installation path.
Click on ***Disk Cost...*** to see the free disk space from any attached drive.
Select ***Everyone***, to give every user on the PC, access to this program.
***No*** authentication will be required at first program startup.
Select ***Just me***, to keep ***e.Tool config*** only for your account.
Authentication is required at program startup (can be configured).

Click to the button ***Next*** in order to select the installation folder.

## Copying

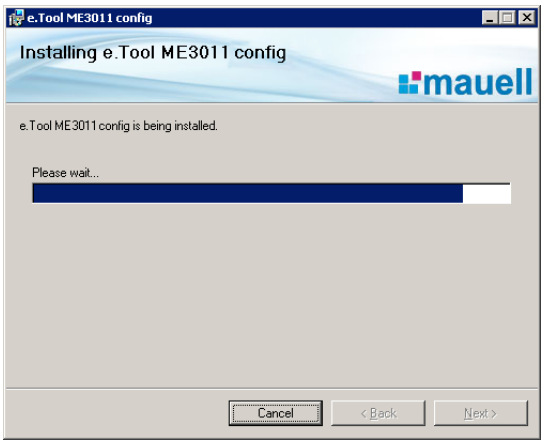
The window ***Confirm Installation*** gives you an overview about the options, chosen so far.


e.Tool ME3011 config
Confirm Installation
mauell
The installer is ready to install e.Tool ME3011 config on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >

*Picture: 0-1004 Ready To Install*

Click to the button ***Next*** to start copying the program files.

The installation will copy the necessary program files into the corresponding folders.

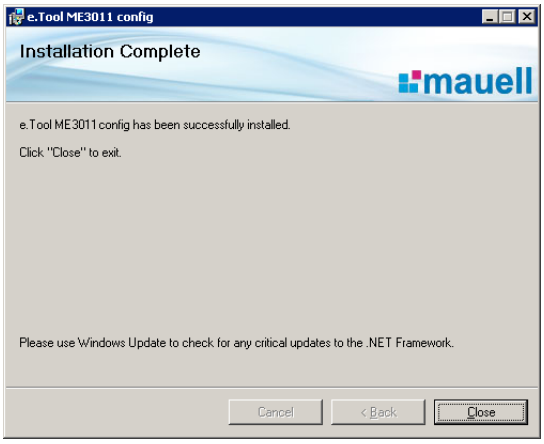



*Picture: 0-1005 Installing Files*

Please wait until the copying process has been completed.

## Installation Complete

Click to the button ***Close*** to complete the installation.




*Picture: 0-1006 Installation Complete*

At this point, you have successfully finished the installation of ***e.Tool config***.
Now you can see the start icon, for launching the ***e.Tool config*** program, on your desktop.

*Picture: 1-0001 Program Icon*

The folder ***Helmut Mauell*** was created under ***Start → Program***.
During installation the following program linkages were saved in this directory:

**e.Tool ME 3011 config:** Execute ***e.Tool config*** program start.

**eToolME3011PointImport:** Spreadsheet configuration file.

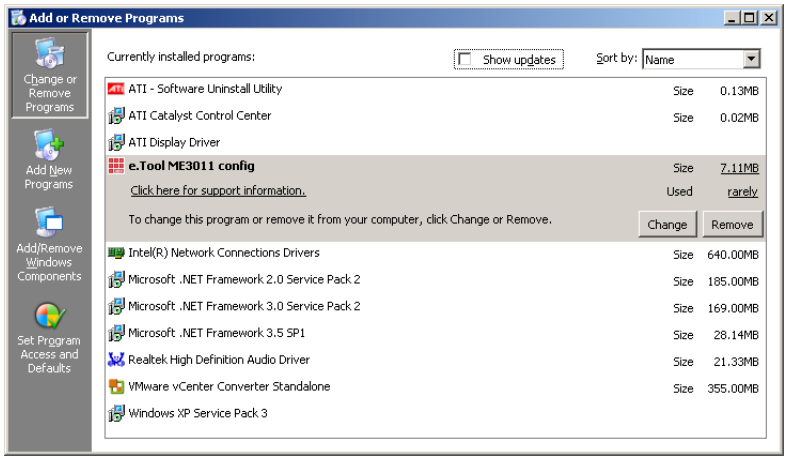
**Attention:** Please check the ***Windows Update*** program,
to receive regular updates of the required system components!

## ***Repair and Uninstallation***

You may always carry out the ***e.Tool config*** setup again in order to remove or repair the installation.

When you want to carry out the setup again, please open ***System Control***, open the dialog box ***Software*** and double-click on the entry ***e.Tool config***.

You can carry out the desired uninstall routine by activating ***Start → Settings → Control Panel → Add or Remove Programs***


Add or Remove Programs
Change or Remove Programs
Add New Programs
Add/Remove Windows Components
Set Program Access and Defaults
Currently installed programs:
Show updates
Sort by: Name
ATI - Software Uninstall Utility Size 0.13MB
ATI Catalyst Control Center Size 0.02MB
ATI Display Driver
e.Tool ME3011 config Size 7.11MB
Click here for support information. Used rarely
To change this program or remove it from your computer, click Change or Remove.
Change
Remove
Intel(R) Network Connections Drivers Size 640.00MB
Microsoft .NET Framework 2.0 Service Pack 2 Size 185.00MB
Microsoft .NET Framework 3.0 Service Pack 2 Size 169.00MB
Microsoft .NET Framework 3.5 SP1 Size 28.14MB
Realtek High Definition Audio Driver Size 21.33MB
VMware vCenter Converter Standalone Size 355.00MB
Windows XP Service Pack 3

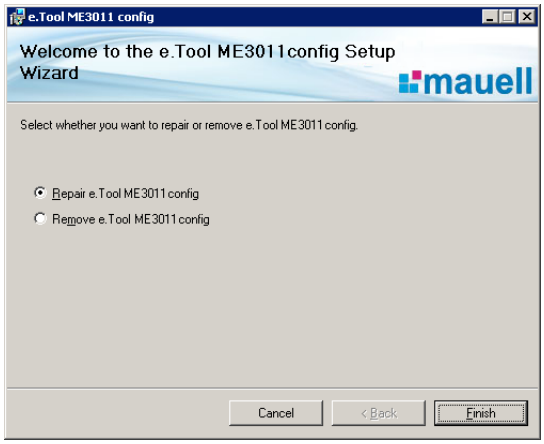
*Picture: 0-2005 Software Deinstallation*

Choose the entry ***e.Tool config*** from the window ***Software*** (Start → Settings → System Control → Software) and Click to the button ***Modify*** to change the installation of the ***e.Tool config*** Program.

The window gives you two options to select from:

Support Info
e.Tool ME3011 config
Use the following information to get technical support for e.Tool ME3011 config
Publisher: Helmut Mauell
Version: 4.04.1
Contact: Helmut Mauell do Brasil Ind. e Com. Ltda.
Support Information: http://www.mauell.com.br
Support Telephone: +55 11 2117-5353
If this program is not working properly you may reinstall it by clicking Repair.
Repair
Close

*Picture: 0-2004 Support Hints*




*Picture: 0-2001 Repair / Remove*

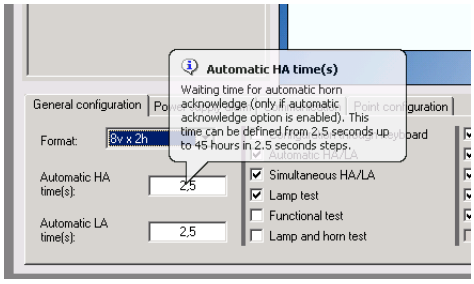
**Repair** program**:** Enables you to overwrite a defective installation.
However, we recommend a complete uninstall of ***e.Tool config*** with a succeeding re-installation.

**Remove** program**:** Starts the uninstalling of the ***e.Tool config*** program.

### *e.Tool config Update*

An ***e.Tool config*** update will be carried out by uninstalling the obsolete ***e.Tool config*** version and by ***installing*** the ***new e.Tool config*** version.

In some places you will find a ***Balloon Help*** for the selected item.
Just place the mouse pointer over a field e.g. ***Automatic HA times*** and you will become a in-place help.


Automatic HA time(s)
Waiting time for automatic horn acknowledge (only if automatic acknowledge option is enabled). This time can be defined from 2.5 seconds up to 45 hours in 2.5 seconds steps.
General configuration
Format:
8v x 2h
Automatic HA time(s):
2,5
Automatic LA time(s):
2,5
Simultaneous HA/LA
Lamp test
Functional test
Lamp and horn test

*Picture: 1-1000e Balloon-Help*

**Tip:** By holding down the ***Ctrl*** key, the Help window can be kept open.

## Show Documentation

In general the documentation is available as ***Windows Help*** and as ***PDF-file***.

### *Documentation as Windows Help*

Several ***e.Tool*** software components have an online help in the Windows Help-Format (HLP). There is also a help of that kind available for ***e.Tool config***.

### *Documentation as PDF-file*

The ***e.Tool config documentation*** is available as PDF-file.
The readout program ***Adobe Acrobat*** for PDF-files is supplied via the internet and may be installed if required. Take a look at our website to find new versions from the PDF-files.

## Service / Help

Helmut Mauell GmbH offer several alternatives for your service.

However, a precondition for these is that the responsible user commands the necessary knowledge of the operating system and the ***e.Tool config*** installation.

***Extended Service***

If you are calling because of problems regarding ***e.Tool config*** you should be at your work station and have the corresponding product documentation close at hand.

Please have the following information ready:

- Version number of your ***e.Tool config*** software and the Windows installation with which service pack installed.
- Exact wording of all messages which appeared on your screen
- Description of what happened and what you were doing when the problem occurred
- Description of your attempts for solving the problem

***PC Connection to the Module***

It is very easy to attach a ME 3011 module to a PC.
You only have to connect the provided cable (71.90.011 [CS-02]),
from a RS 232 PC interface to the RJ10 jack of the module.
If your PC does not provide a serial interface,
you have the choice to add a RS 232 card to the PC or you may use a
USB to RS 232 converter.
Ask us for recommended equipment (e.g. DIGITUS DA-70145 or 46-1).

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## The first Program Start

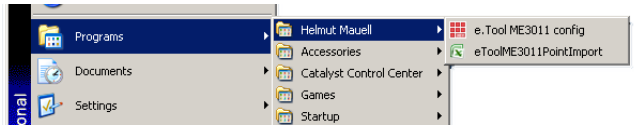
You can use different Windows standard methods for the program start.

### *Startup via Desktop Icon*

Start ***e.Tool config*** with a double-click on the ***e.Tool config*** program icon.

*Picture: 1-0001 Program Icon*

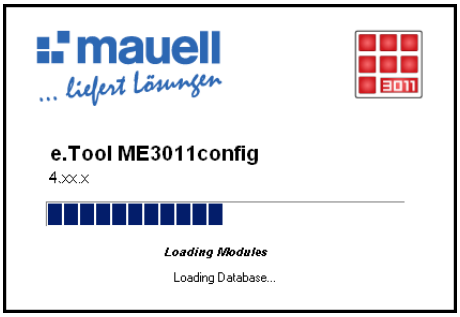
### *Startup via Windows Start Menu*




*Picture: 1-0000 Program Menu*

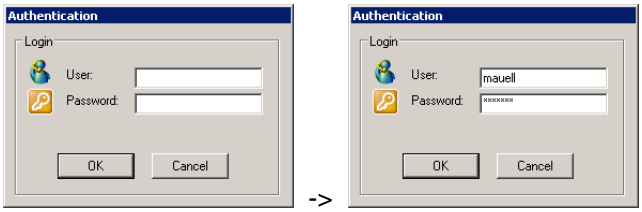
## ***Welcome Screen / Authentication***

When the program start is triggered, you can see the real name and version of ***e.Tool config*** and the progress of loading the program modules.




*Picture: 1-0001 Program Start*

Depending on the ***e.Tool config*** installation for the Target Directory (see page 9), you will get an authentication window.
If required, type in your password at the ***e.Tool config*** starting window.




*Picture: 1-0011e Authentication*

Type ***mauell*** as the default name for ***User*** and also ***mauell*** as the default ***Password***.

**Attention!** For a save configuration, it is necessary to create an new user and set a new password.

Click to the button ***OK*** to start ***e.Tool config***.

### ***Online / Offline***

The next window is the ***Online***/***Offline*** window.

*Picture: 1-0030e Online / Offline*

Here you have to decide to go online with the attached module, or stay offline.

#### Offline start

If the ***e.Tool config*** is starting offline, the tool does not open any project (exception is a configured default project).

#### Online start

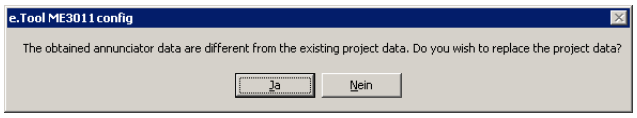
If the ***e.Tool config*** is starting online, the tool is probing the PC interfaces (RS 232) in order to find a configurable ME 3011 module. You will get the message ***Wait...*** till the probe is finished after a few seconds.

*Picture: 1-0040e Wait*

Depending on the hardware and software configuration, you will get the following messages.

#### Module data differs from project data

If the data, stored in the module, is different to the data loaded or created in ***e.Tool config***, you will become this message window.

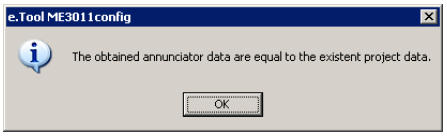

e.Tool ME3011 config
The obtained annunciator data are different from the existing project data. Do you wish to replace the project data?
Ja
Nein

*Picture: 1-0050e Message Data are different*

In this window you have to decide, whether to replace the project data with the module data (***Yes***) or to leave the data differently (***No***). After this, the program window will be loaded.

**Module data is same as project data**

If the data, stored in the module, is equal to the data loaded or created in ***e.Tool config***, you will also become a message window.

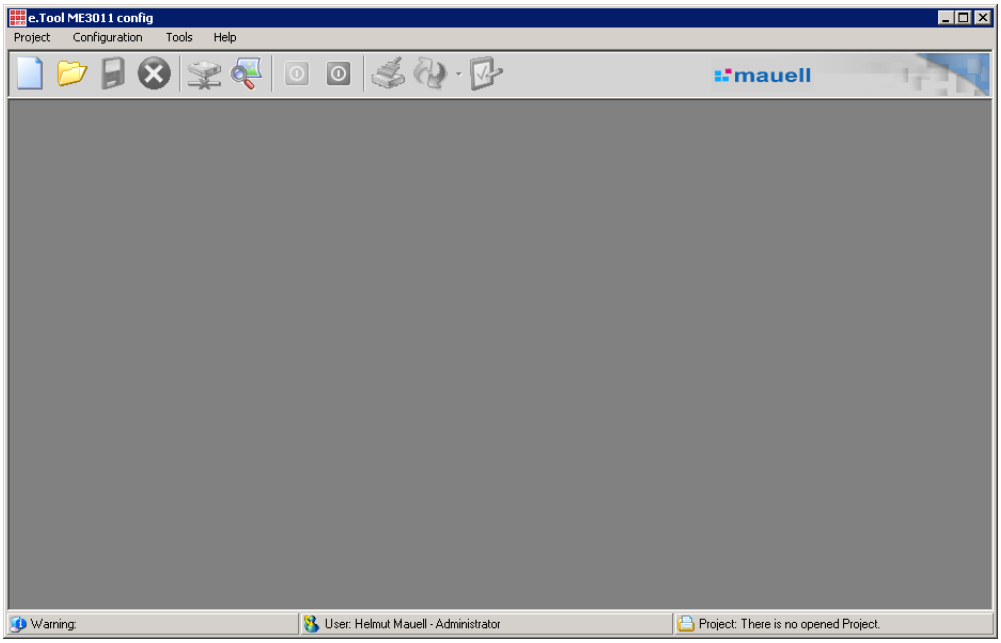



*Picture: 1-0051e Message Data are equal*

Click to the button ***OK*** to acknowledge the message.

## Program Window

The program window from ***e.Tool config*** consists of different areas.




*Picture: 1-0034e Offline First Start*

If you start ***e.Tool config*** in online mode and no module is connected or found, you will get an error message.

*Picture: 1-0034e Online First Start Error*

Click to the button ***OK*** to acknowledge the message.

If the ***e.Tool config*** does not find the attached module, you have to check the cable connection from the PC to the module and the matching power supply for the module.

### ***Program Window – Title***

The window ***Title*** is holding the name of the program.

*Picture: 1-0035e Window Title*

The buttons on the right are the standard Windows buttons.

### ***Program Window – Menu Items***

The Menu bar is showing all menu items you can choose from.

*Picture: 1-0036e Window Menu*

All menu items are explained in the document, you are about to read.

### ***Program Window – Toolbar***

The toolbar, in the upper side of the program window, is holding a number of switches, to allow a fast access to most needed commands.

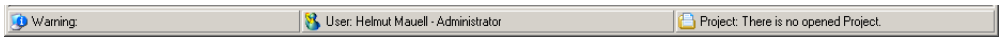
*Picture: 1-0037e Window Icons*

Only a few of these commands can also be accessed via the menu items (see ***Description of the Toolbar Icons***).

**Note:** There are currently no keyboard shortcuts.

## ***Program Window – Status Bar***

The Status Bar, in the lower side of the program window, is holding three information blocks.




*Picture: 1-0038e Window Status*

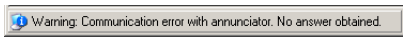
You can find warnings on the lower-left, user info in the middle and project info at the lower right side.

### Status Bar – Warning

The ***Status Bar Warning*** can show you, that the PC is connected to the module and the ***e.Tool config*** software has also established a logical connection.

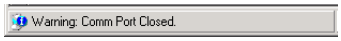
*Picture: 2-0001e Status Warning Communication Annunciator OK*

The ***Status Bar Warning*** can show you, that the ***e.Tool config*** software has no logical connection to the module. A request was not answered. Check the cable connection and try again.




*Picture: 2-0001e Status Warning Communication Error no Answer*

The ***Status Bar Warning*** can show you, that the ***e.Tool config*** software has no logical connection to the module.




*Picture: 2-0001e Status Warning Com-port Closed*

### Status Bar – User

The ***Status Bar*** is showing the ***user name*** and the ***user category***.

*Picture: 2-0002e Status User*

### Status Bar – Project

The ***Status Bar Project*** does show you the name from the currently loaded project.

*Picture: 2-0003e Status Project Name*

The Status Bar Project tells you if currently no project is loaded.

*Picture: 2-0003e Status Project Not open*

You will have to create or load a project, to configure a module.
The Status Bar Project tells you, if currently, no project is defined.

*Picture: 2-0003e Status Project Not defined*

You will have to create or load a project, to configure a module.
There are no pre-configured projects available to load.

## Configuration of e.Tool config

There are a few ***e.Tool config*** configurations to make,
***before*** you should start to configure any module.

Be sure to create, at least, one ***user account***.

Select the right ***language***.

Set the matching ***locale time***.

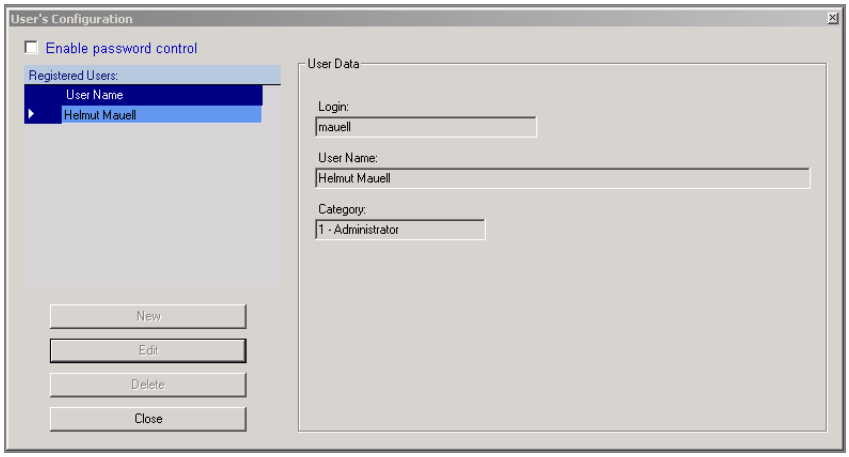
### *Create a new User Account*

For security and organizational reasons,
we recommend to create a new user account.

The ***mauell*** user account is only pre configured
as an example and to allow the first program login.

Via the menu item ***Tools*** you can choose the command ***Administrative Tools*** ->
***User's Configuration*** to load the window ***User's Configuration***.

Under ***Registered Users*** you will find all ***User Names*** that are configured.




*Picture: 2-3111e Configuration User Edit*

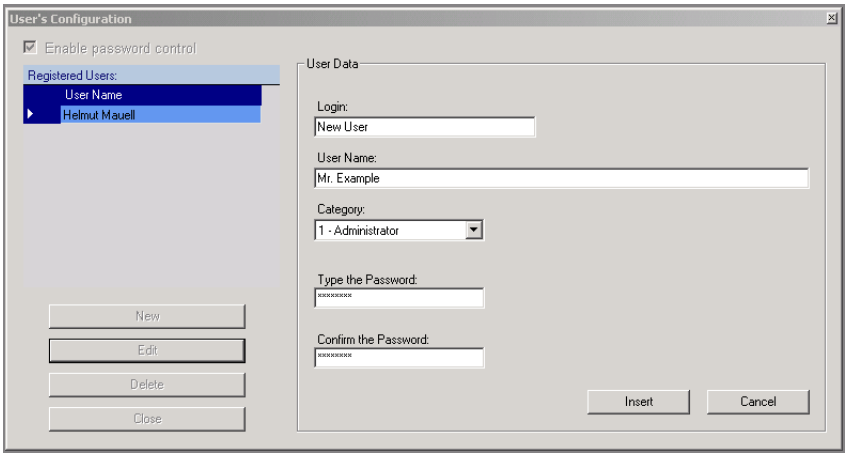
Select the checkbox ***Enable password control***,
to protect the ***e.Tool config*** installation against unauthorized access.

Click the button ***Edit***, to change any ***User Data***.

Click the button ***Delete***, to erase the selected user account.
One administrator account got to remain!

Click the button ***Close***, to shut the ***User's Configuration*** window.

Click the button ***New***, to create a new User.
Than you can fill out the desired ***User Data***.




*Picture: 2-3112e Configuration User Edit*

***Login*** is the user name, you might need for the authentication during a program start.

***User Name*** is the account name for the ***Registered Users***.

You have to choose out of 2 different user ***Category****'s*.

***Fist*** category is the ***Administrator***. A administrator has all rights and total access to any function of ***e.Tool config***.

***Second*** category is the ***Restrict****ed* ***User***.
The individual rights can be individually assigned for this user.

A user with all 24 rights, has the same opportunities as an administrator.
The following rights can be given to or taken from a user:

- New: Project
- Edit: Project
- Delete: Project
- Function: Import-Project
- Function: Export-Project
- Function: Save
- Function: Save as...
- Edit: Standard Project
- New: User
- Edit: User
- Delete: User
- Edit: Communication
- Function: Clock Adjustment
- Function: Enter configuration mode
- Edit: Visual Point configuration
- Function: Delete event registers
- Function: Obtains all Annunciator data
- Function: Send all data to Annunciator
- Function: Set project with default values
- Edit: Format (Annunciator)
- Edit: General configuration
- Edit: Power Supply alarm
- Edit: Modbus protocol
- Edit: Point configuration

The rights can be changed any time by any administrator or restricted user, with the right to do so.

***Type the Password*** into the desired field and ***Confirm the Password*** within the next field.

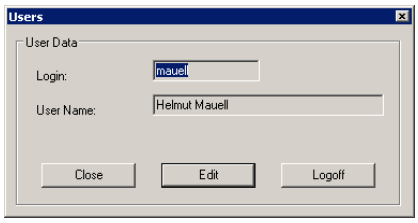
Click to the button ***Insert*** to create the new account.

**Important:** After you have created your own account, you will have to ***erase*** *the* ***mauell user***, because of security reasons.

### ***Change User Password***

Via the menu item ***Configuration*** you can choose the command ***Users*** to load the window ***Users***.

Here you can change the logged-in user or change his password.

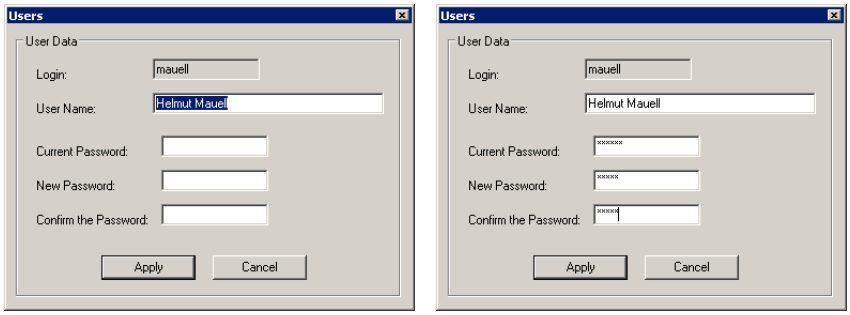



*Picture: 2-2301e Configuration User*

Click the button ***Close***, to close this window.

Click the button ***Logoff***, to login as another user.

Click the button ***Edit***, to change the password from the logged-in user.




*Picture: 2-2302e Configuration User Edit*

For every ***Login*** name you can change the ***User Name*** retrospectively. It is also possible to change the old password. Therefore you have to type the ***Current Password***, give a ***New Password*** and than ***Confirm the Password***, by typing it again. Uppercase and lowercase are not discerned on login.

**Password Security Advice!**

1. Choose a strong (long) password.
2. Change your password regularly.
3. Share your password with nobody else.

***Configuration – Language***

The ***e.Tool config*** provides Portuguese, English, Spanish and German as selectable languages for the GUI. At this time You can choose one out of these four different languages.

Via the menu item ***Configuration*** you can choose the command ***Language*** to select the fitting language.

*Picture: 2-2201e Configuration Language*

**Note:** The software family e.Tool allows you to add new languages.
You will find a How-To in the appendix of this document (see ***How-To add a new Language***).

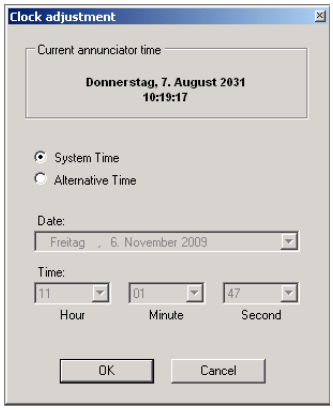
## ***Tools – Time / Date***

Via the menu item ***Tools*** you can choose the command ***Clock adjustment*** to set the time and date for a connected module.

If you want to set the time for a module, you got to get connected to it first.
Go online for a few seconds to read out the module-time and

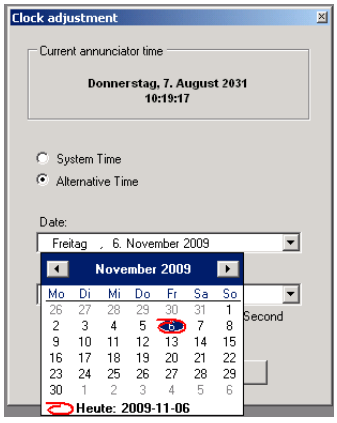
than click the button to ***Exit configuration mode***.

Now, via the menu item ***Tools***, you can choose the command ***Clock adjustment*** to load the window ***Clock adjustment***.




*Picture: 1-3202e Tools Clock Adjustment*

In the upper side of the window, you will see the ***Current annunciator time***.
Now you can choose if you like to set the ***System Time*** (from your PC) or a ***Alternative Time*** to the module.




*Picture: 1-3202e Tools Clock Adjustment Alternativ*

In the ***Date*** field you can use the windows system calendar,
to set a different date for the attached module.
This selection has no effect to your PC time.

You are also free to set the ***Time***, suitable to their requirements.

Click to the button ***OK*** to set the new time for the module.

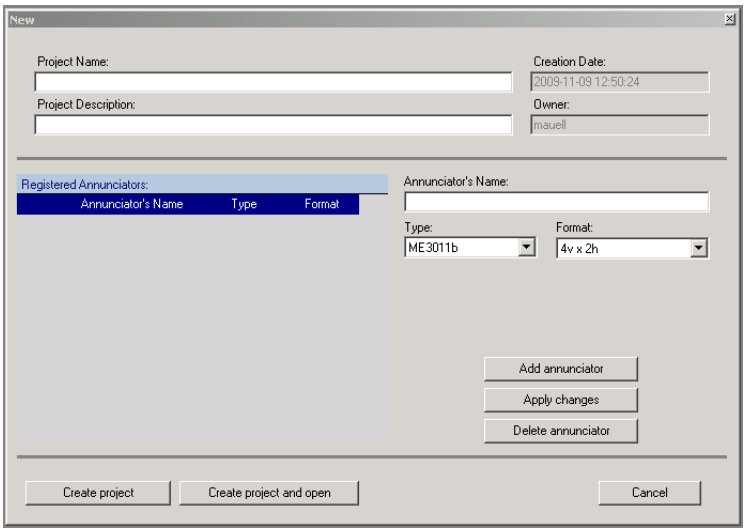
## Working with e.Tool config

Before you start, there is no project data in ***e.Tool config*** or a ME 3011 module.
The following chapters will give you an idea how to change that.

### *Creating a new Project*

To get a configuration for a ME 3011 module, you got to create a new project first.

Via the menu item ***Project*** you have to choose the command ***New*** to open the window ***New***, or simply click the icon .

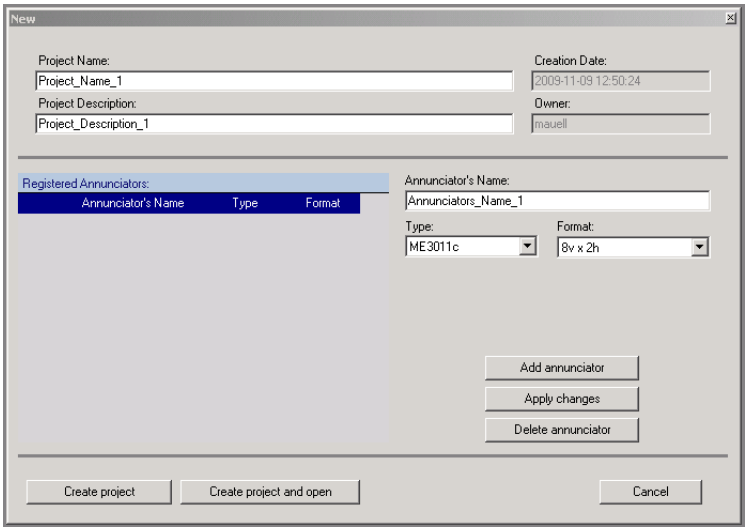



*Picture: 1-1100e New*

Fill in the mask, corresponding to the module that have to be configured.

Select an appropriate ***Project Name*** for the new project.

Give a brief ***Project Description***, that makes things easier in the future.

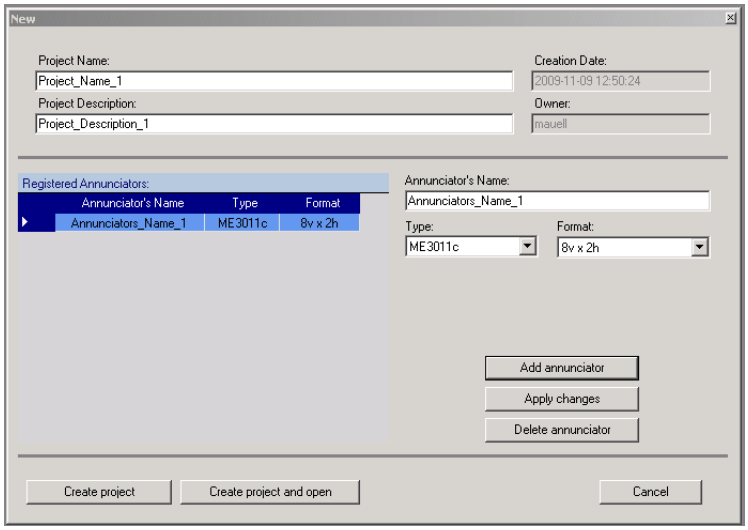



*Picture: 1-1101e New*

***Creation Date*** and ***Owner*** will be automatically generated from the actual PC-time and the logged-in user.

Give the ***Annunciator*** *a* ***Name***, and select his module ***Type*** and ***Format***.

The ME 3011 System got a number of module-***Type****s* (ME 3011**B**, **C, D** and **E**) and every module-Type has a number of different module-***Format****s* (housings).




*Picture: 1-1102e New*

Click to the button ***Add annunciator***, to save the entered data into the list of ***Registered Annunciators***. Now, this data is stored into the ***e.Tool config*** database.

With ***Apply changes***, you are able to edit a selected annunciator from the ***Registered Annunciators*** list.

With ***Delete annunciator*** you will erase the selected list entry.

Click to the button ***Create project***,
to write the new project into the ***e.Tool config*** database.

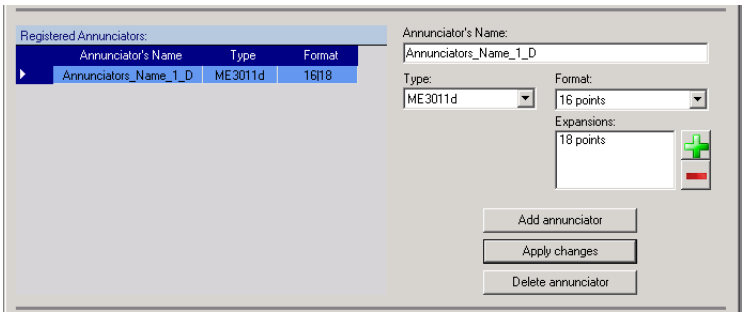
The button ***Create project and open***, will write and also open the project.

If you press ***Cancel***, project will ***not*** be stored,
no changes will be written to the database.

## Besonderheiten der D-Module

According to the ***ME 3011D*** system topology,
you are able to configure a ***Basis Module*** and a ***Expansion Module*** at the same time.

If the device type ME 3011D is selected, You will get the option to expand the construction.




*Picture: 1-1102e New with D Expansion module*

Click to the button, ***Add annunciator***,
to expand the Basis Module, with a number of alarm points.

Click to the button, ***Apply changes***, to enable the new set of individual modules.

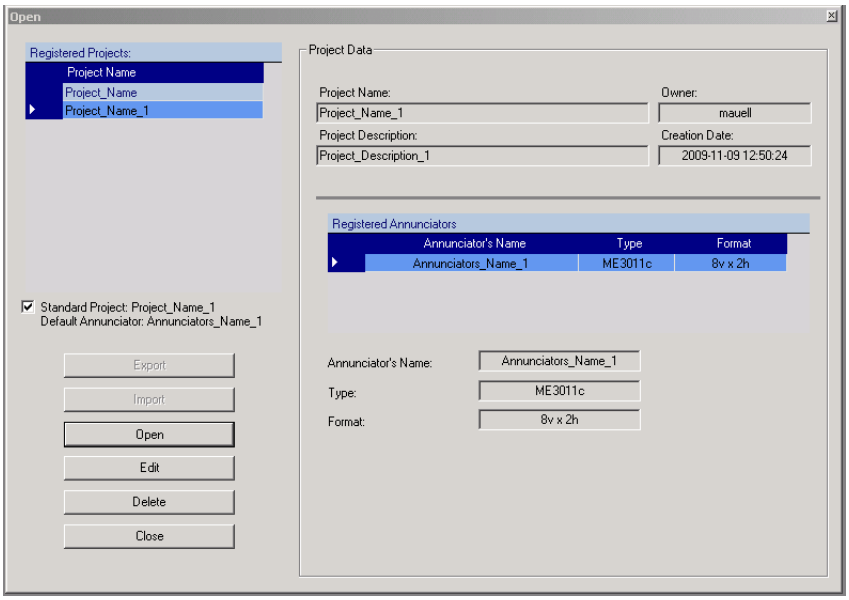
Click to the button, ***Delete annunciator***, to delete an Extension module,
selected by the mouse pointer.

***Load an existing Project***

After you have created at least one project, you can load it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***, or simply click the icon .

The window ***Open*** is for the ***project management*** of ***e.Tool*** configurations.




*Picture: 1-1200e open*

Select one ***Project Name*** at the ***Registered Projects*** list.
Now you can see the ***Registered Annunciators*** at the right side of the window.

Click to the button ***Open***, to load the selected project.

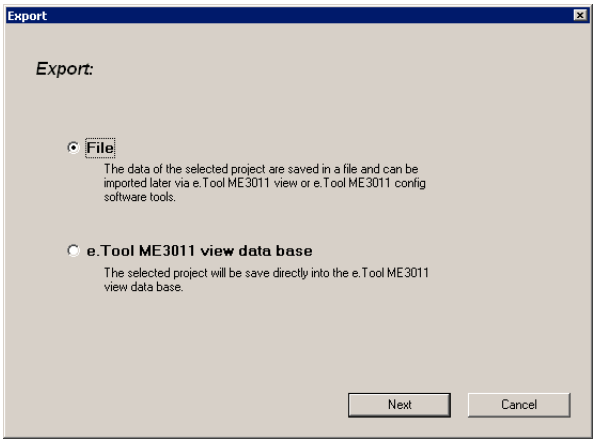
## ***Project Export***

After you have created at least one project, you can export it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***.

Select one ***Project Name*** at the ***Registered Projects*** list.

Click to the button ***Export*** to open the window ***Export***.

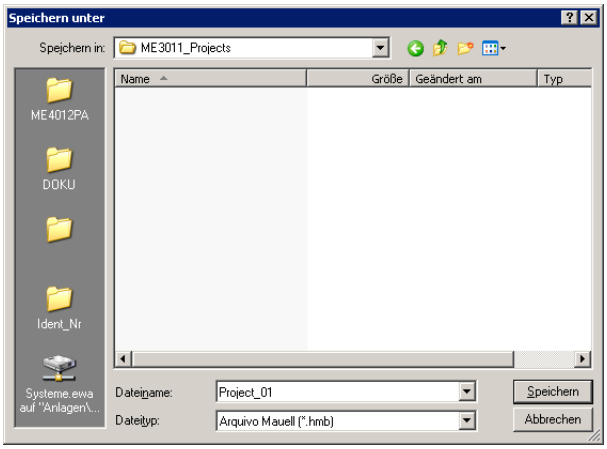

Export
Export:
File
The data of the selected project are saved in a file and can be imported later via e.Tool ME3011 view or e.Tool ME3011 config software tools.
e.Tool ME3011 view data base
The selected project will be save directly into the e.Tool ME3011 view data base.
Next
Cancel

*Picture: 1-1201e open export*

Via the selection ***e.Tool ME3011 view data base***, you can export the configuration into the ***e.Tool view*** database. ***e.Tool view*** is a monitoring software for ME 3011.

Via the selection ***File***, you are able to export the configuration into a special ***e.Tool*** file.

Click the button ***Next*** to get the window for selecting the desired directory and File name.




*1-1202e open export*

Click the button ***Store*** for exporting the configuration.

*1-1203e open export*

You will get an message window, when the export process has successfully finished.

Now your configuration is stored under the file name *.hmb (**H**elmut **M**auell Data**B**ase).

Click the button ***OK*** to close this window. Now you can import this database, every time you like.

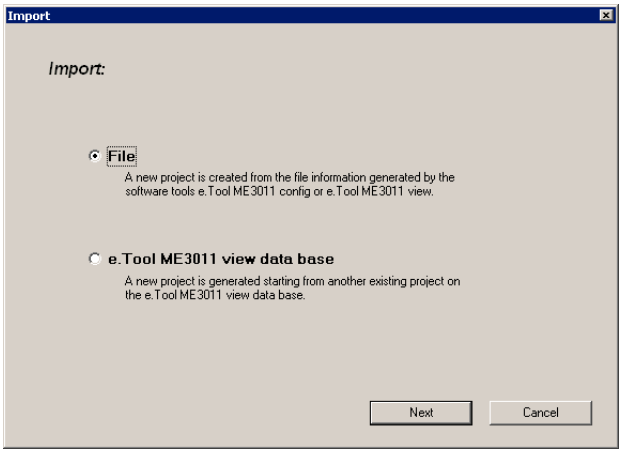
***Project Import***

After you have at least one exported project, you can ***Import*** it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***.

Select one ***Project Name*** at the ***Registered Projects*** list.

Click to the button ***Import*** to open the window ***Import***.

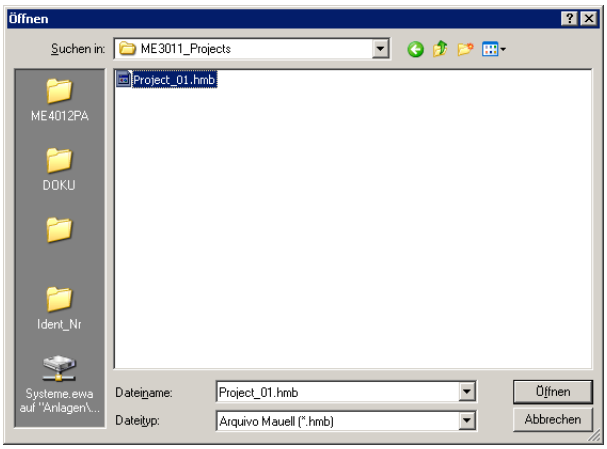

Import
Import:
File
A new project is created from the file information generated by the software tools e.Tool ME3011 config or e.Tool ME3011 view.
e.Tool ME3011 view data base
A new project is generated starting from another existing project on the e.Tool ME3011 view data base.
Next
Cancel

*Picture: 1-1202e open import*

Via the selection ***e.Tool ME3011 view data base***, you can import the configuration from a ***e.Tool view*** database. ***e.Tool view*** is a monitoring software for ME 3011.

Via the selection ***File***, you are able to import the configuration from a special ***e.Tool*** file.

Click the button ***Next*** to get the window for selecting the desired directory and file name.




*1-1203e open import*

Click the button ***Open*** for importing the configuration file.

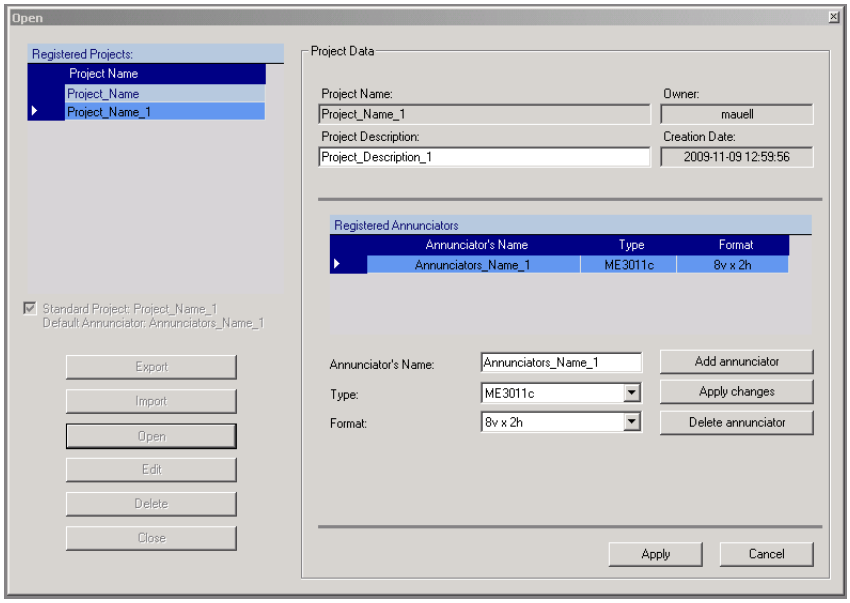
## ***Project Edit***

After you have created at least one project, you can edit it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***.

Select one ***Project Name*** at the ***Registered Projects*** list.

Click to the button ***Edit*** to edit the configuration at the right side of the window.




*Picture: 1-1202e open edit*

In the edit mode, you can change the ***Project Description***, ***Annunciator's Name***, ***Type*** and ***Format*** from the selected project.

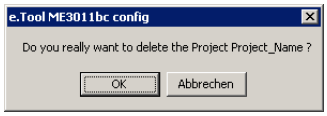
## ***Project Delete***

After you have created at least one project, you can delete it every time you like.

Via the menu item ***Project*** you have to choose the command ***Open*** to open the window ***Open***.

Select one ***Project Name*** at the ***Registered Projects*** list.

Click to the button ***Delete*** to erase the configuration.




*Picture: 1-1202e open delete*

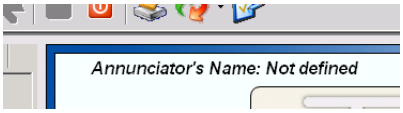
Click to the button ***OK*** to confirm the extinction.

Click to the button ***Close*** to shut down the window ***Open***.

## ***Project Save***

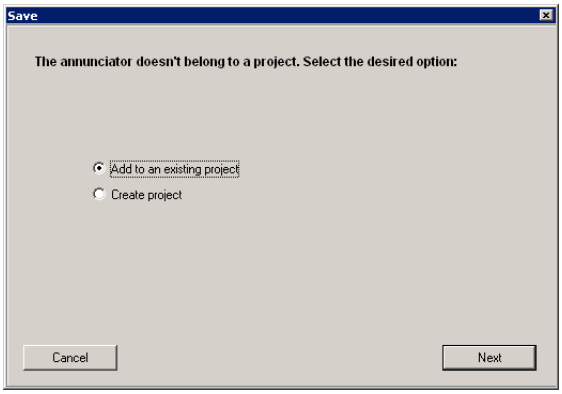
Via the menu item ***Project*** you have to choose the command ***Save*** to open the window ***Save***.

Or maybe you made a new config and the ***e.Tool config*** is asking you to save the changes.



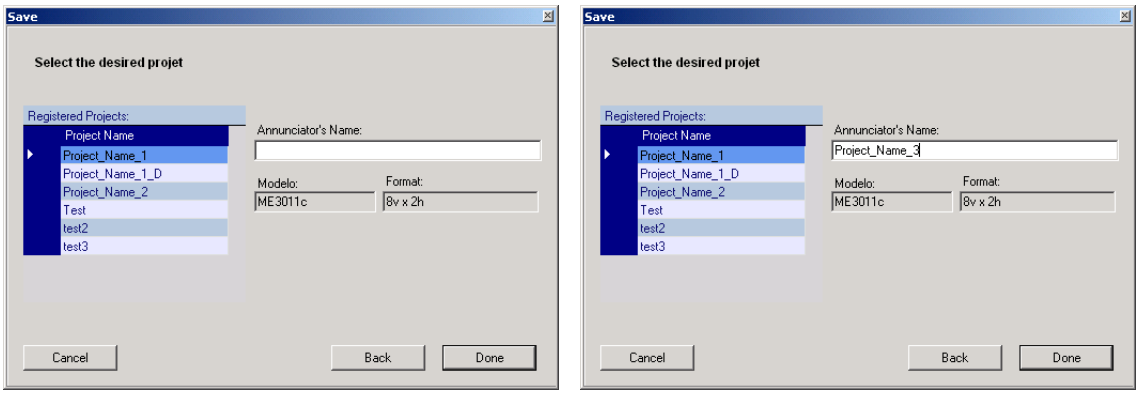

*Picture: 1-1305e Save*

Reason is, that the ***Annunciator's Name*** is ***Not defined*** and therefore does not belong to a project.



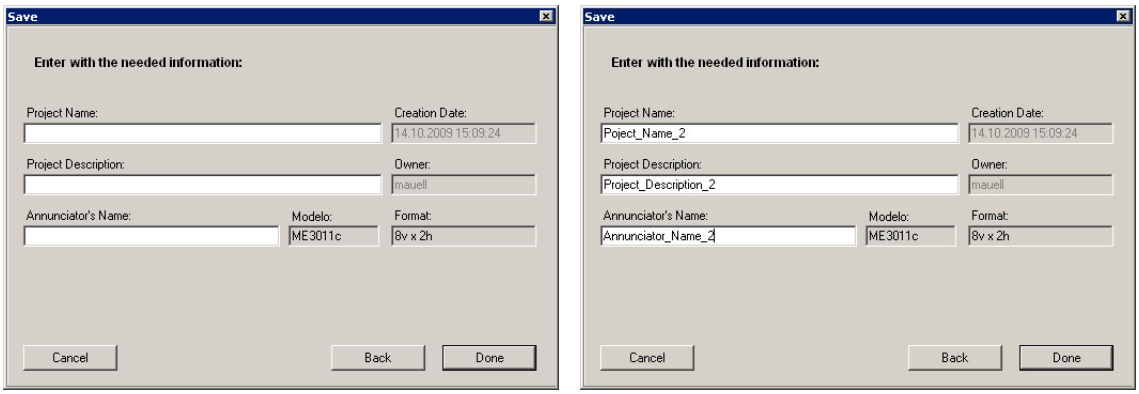

*Picture: 1-1300e Save*

You can choose ***to add*** the new config to ***an existing project***.




*Picture: 1-1303e Save*

Or you ***create*** a new ***project***.



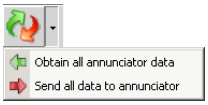

*Picture: 1-1301e Save*

See also ***Creating a new Project***.

## Communication with the Module

Before you can communicate with a ME 3011 module,
you got to attach the module to the configuration PC.

Press the button ***Online*** to establish a connection to the module.
Normally, you will get a beep from the module buzzer and the following icon will go active.




*Picture: 2-0010e Icon Obtain Send Data On*

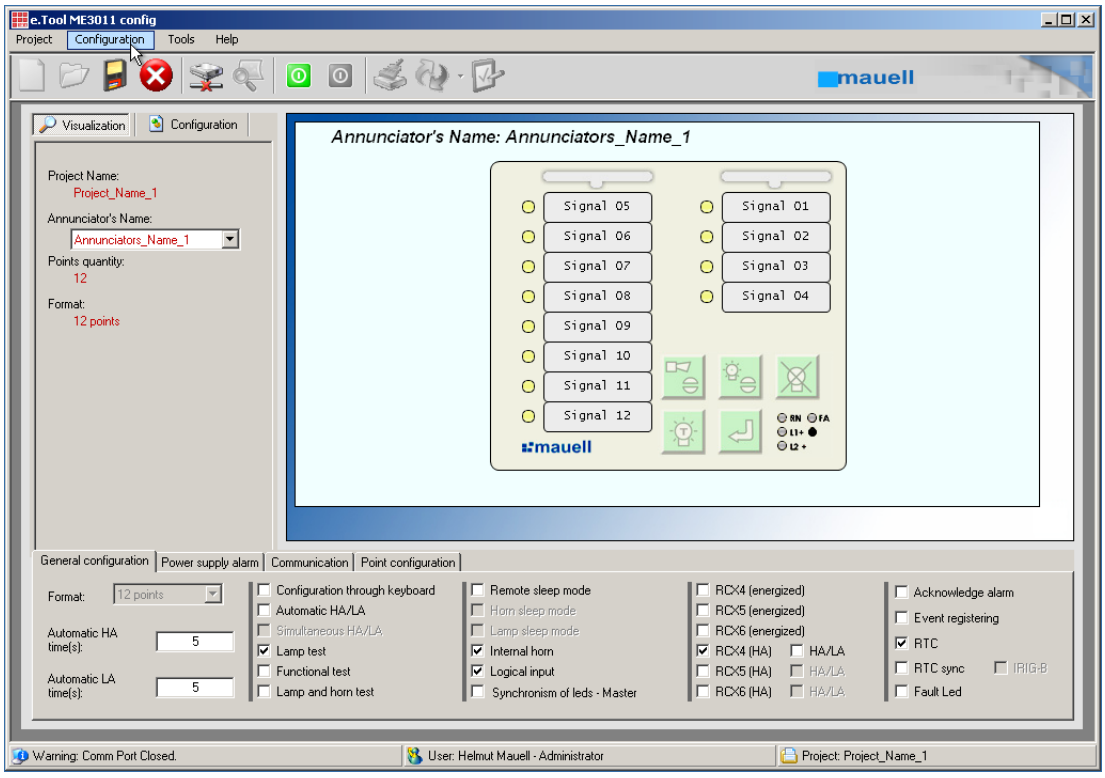
The icon let you choose, whether to download the configuration data,
already stored at the ME 3011 module (***Obtain all annunciator data***), or
***Send all data*** *back* ***to*** *the* ***annunciator***. Use the Send... button,
to store changed configuration to the attached module.

The ***e.Tool config*** will always compare the loaded configuration,
with the configuration, stored inside the module.
Correlating message windows will give you a conformance report.

## Configuration of the Module Visualization

The main task for ***e.Tool config*** is the building of configuration for any module of the ME 3011 family.

You just have to load a matching project, and you can configure any feature of the module.




*Picture: 2-1001e Visualization C-Module*

After you have loaded a configuration via the ***project management*** or direct from the attached module, you can ***customize*** the module to your needs.

Use the ***Configuration***, to add the desired parameters.

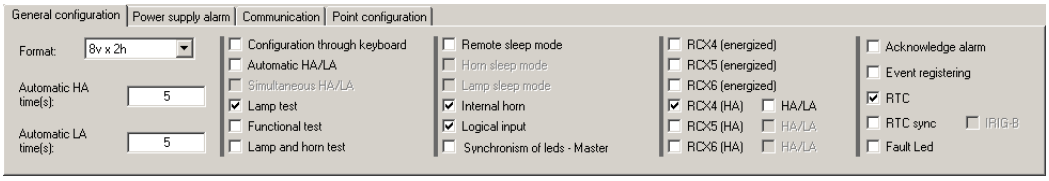
Use the ***Visualization*** to show the entered parameters from your configuration.

In the following chapters, you will find all possible configuration parameter for any module.

**Note:** Missing module features will not be configured.

## *General Configuration*

The Tab ***General Configuration*** is used for the general configuration of any ME 3011 module.




*Picture: 2-3100e General Configuration*

You must ***Send all data to annunciator*** to store the changes inside the module.

In the following chapters, you will find all possible general configurations.

### Format

Depending on the selected module type (ME 3011**B**, **C, D** and **E**), you can select the housing ***Format*** from the module. The format have to correspond to the attached module. The ***Format*** for ME 3011**D** Expansion modules can not be changed at this point.

### Automatic HA time(s)

The ***Automatic HA time (s)*** is the duration, before a activated horn will automatically be acknowledged. The time can be defined from 2.5 s up to 162000 s (45 hours) in steps of 2.5 seconds.

This acknowledge will only be executed if the parameter ***Automatic HA/LA*** is enabled.

### Automatic LA time(s)

The ***Automatic LA time(s)*** is the duration, before a activated light will automatically be acknowledged. The time can be defined from 2.5 s up to 162 000 s (45 hours) in steps of 2.5 seconds.

This acknowledge will only be executed if the parameter ***Automatic HA/LA*** is enabled.

### Configuration through Keyboard

Some modules allow a on-site configuration, via the buttons at the front panel. This configuration is burdensome and not well documented (only for Mauell Service). Please keep unselected!

### Automatic HA/LA

If the parameter ***Automatic HA/LA*** is enabled, the automatic ***acknowledge*** for the ***horn*** and ***light*** will be executed after their configured time.

**Simultaneous HA/LA**

The parameter ***Simultaneous HA/LA*** allows the simultaneously horn and light acknowledge in accordance with the HA time.

**Lamp Test**

The parameter ***Lamp Test*** enables the lamp test for the module.
After pressing the Lamp-Test button at the front panel from the ME 3011 module, all lights/LED's will simultaneously light up for a few seconds.

**Functional Test**

The parameter ***Functional Test*** is simulating the selected ISA Mode.

After pressing the Lamp-Test button at the front panel from the ME 3011 module, all signal inputs are getting a simulated signal.
Depending on the selected ISA Mode, you can show their behavior, for every signal input.

**Example:** If you have chosen the mode ISA-2C, you got to

press the buttons → → to stop the function-test.

**Lamp and Horn Test**

The parameter ***Lamp and Horn Test*** enables a consolidated lamp and horn test.
After pressing the Lamp-Test button at the front panel from the ME 3011 module, all lights and horns will simultaneously be activated for a few seconds.

**Sleep Mode**

The parameter ***Sleep Mode*** enables sleep mode.
The Sleep Mode is used to deactivate internal light and/or sound signaling.
When active, the green RUN LED is flashing, indicating the sleep mode.
The sleep mode can be disabled by pressing every module button.

**Horn Sleep Mode**

The parameter ***Horn Sleep Mode*** deactivates the alarm indication for the horns.
The Sleep Mode can be disabled by pressing every module button.

**Lamp Sleep Mode**

The parameter ***Lamp Sleep Mode*** deactivates the alarm indication for the lamps.
The Sleep Mode can be disabled by pressing every module button.

**Internal Horn**

The parameter ***Internal Horn*** activates the notification by the internal horn (buzzer).

**Logical Input**

The parameter ***Logical Input*** enables commands and alarms, coming from a Modbus network.

**Synchronism of LED's**

The parameter ***Synchronism of LED's*** will set this module as the master
for the synchronous flashing of the connected modules.
Therefore you have to wire the Flash-Sync. module-output with the inputs of the other modules.
The matching cable connections are described in the corresponding Quick Reference Guide.

**RCX4 (energized)**

The parameter ***RCX4 (energized)*** will set this relays contact, to normally closed (closed-circuit current).
If that parameter is not set, this contact is normally open (residual-current).

**RCX5 (energized)**

The parameter ***RCX5 (energized)*** will set this relays contact, to normally closed (closed-circuit current).
If that parameter is not set, this contact is normally open (residual-current).

**RCX6 (energized)**

The parameter ***RCX6 (energized)*** will set this relays contact, to normally closed (closed-circuit current).
If that parameter is not set, this contact is normally open (residual-current).

**RCX4 (HA) – LA/HA**

The parameter ***RCX4 (HA)*** enables the horn acknowledge for this relays contact event.
***LA/HA*** enables the lamp and horn acknowledge for this relays contact event.

**RCX5 (HA) – LA/HA**

The parameter ***RCX5 (HA)*** enables the horn acknowledge for this relays contact event.
***LA/HA*** enables the lamp and horn acknowledge for this relays contact event.

**RCX6 (HA) – LA/HA**

The parameter ***RCX6 (HA)*** enables the horn acknowledge for this relays contact event.
***LA/HA*** enables the lamp and horn acknowledge for this relays contact event.

**Acknowledge Alarm (only ISA 1B)**

The parameter ***Acknowledge Alarm*** must be enabled, only when the ISA 1B mode is used.

**Event Registering**

The parameter ***Event Registering*** enables the recording from occurrences in the module. On each alarm, the annunciator records the alarm with time stamp in its internal memory. Consider, that the module have to provide a event register to do so.

**RTC**

The parameter ***RTC*** enables the Real Time Clock from the module.
The time is adjustable via the clock adjustment in the tool menu.

**RTC Sync - IRIG-B**

The parameter ***RTC Sync*** enables the flash synchronization via the attached GPS clock impulse.

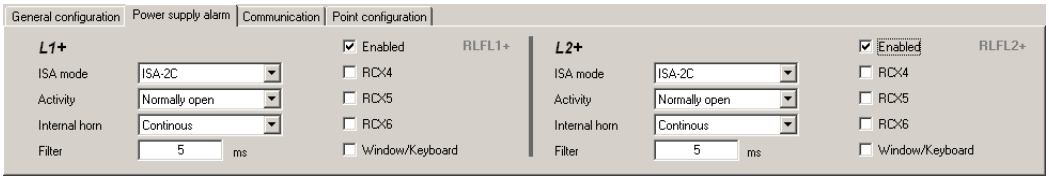
The parameter ***IRIG-B*** enables the RTC synchronization via the IRIG (Inter Range Instrumentation Group Time-code with 100 impulse/s) protocol. Selection is only possible when RTC Sync is enabled. When the command IRIG-B is not enabled, the module clock will be synchronized by PPS (pulses per second).

**Fault LED**

The parameter ***Fault LED*** enables to show a module failure (red FA LED on) to relay contact RCX4, RCX5 or RCX6.

## ***Power Supply Alarm***

The Tab ***Power Supply Alarm*** is used for the configuration of L1+ and L2+.




*Picture: 2-3200e Power Supply Alarm*

Some modules have a optional **P**ower **S**upply **F**ault **D**etector (PSFD/RLFL) for the first (***L1+***) and second (***L2+***) supply voltage.
You have to enable this feature, to monitor the power supply.

RCX4 / RCX5 and RCX6 – Auxiliary contact which, when selected, will be activated simultaneously with the related alarm.

You must ***Send all data to annunciator*** to store the changed parameter inside the module.

In the following chapters, you will find the possible configurations.

### Enabled RLFL1+

Activate the option ***RLFL1+*** to monitor the ***L1+*** AC-Power Supply.

### Enabled RLFL2+

Activate the option ***RLFL2+*** to monitor the ***L2+*** DC-Power Supply.

### ISA Mode

The selection-field ***ISA Mode*** is providing a few ISA 18.1 alarm sequences.
Every ISA sequence is providing a unique visual and acoustic display for the PSFD alarm.

ISA-1, ISA-1A, ISA-1B, ISA-2A, ISA-2C, ISA-4A, ISA-4AR, STATE (see ***ISA 18.1 in Detail***)

Select the internal relays contact (RCX4, 5, 6) and it will be activated simultaneously with the related ISA mode.

**Activity**

The selection-field ***Activity*** can set the selected internal relays contact (RCX4, 5, 6), to ***Normally closed*** (closed-circuit current), or to ***Normally open*** (residual-current).

**Internal Horn**

The selection-field ***Internal Horn*** is providing a few alarm modes for the internal horn. You can choose:

- Off — No horn will sound
- Continuous — Horn will give an uninterrupted sound
- Intermittent 1 — Horn will give a short interrupted sound
- Intermittent 2 — Horn will give a long interrupted sound

**Filter**

The parameter ***Filter*** is for debouncing signals.
The duration to accept a signal, can be configured with 2.5 ms steps, from 2.5 ms up to 600 ms.

**RXC4, RXC5, RXC5**

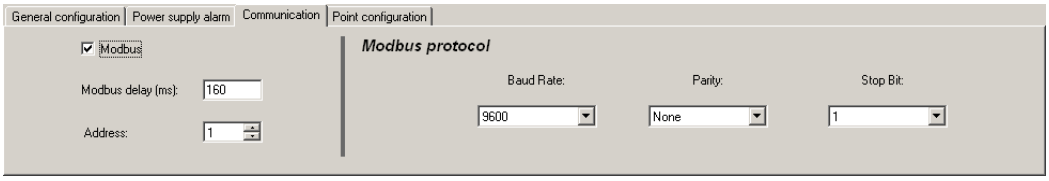
You are free to choose any of the three internal relay contact to provide a error message on power loss. For example, you can choose the contact RXC4 for the power loss of L1+, RXC5 for L2+ and RXC6 for the power failure of L1+ and L2+.

**Window/Keyboard**

With the parameter ***Window/Keyboard*** enabled, you will get the PSFD signal not only to the yellow status LED's (L1+/L2+) at the key-pad, but also to the assigned signal LED's.
The ***L1+*** LED is, independently from your ME 3011 module type,
permanently ***assigned*** *to* ***signal 1*** and ***L2+*** is permanently ***assigned*** *to* ***signal 2***.

## ***Communication***

The tab ***Communication*** is used for the configuration of the optionally ***Modbus***.




*Picture: 2-3300e Communication*

You must ***Send all data to annunciator*** to store the changed parameter inside the module.
If you activate the Modbus protocol you can use ***e.Tool view*** with the module.

In the following chapters, you will find the possible configurations.

**Tip:** You can find a manual for the ME 3011 Modbus and e.Tool view.

### Modbus

Activate the checkbox ***Modbus***, if your module does provide a ***Modbus*** and you wish to use it.

### Modbus delay (ms)

The parameter ***Modbus delay (ms)*** is time for the Modbus duration.
The time can be defined from 0 ms up to 9999 ms. Standard is 40 ms.

### Address

The parameter ***Address*** defines the Modbus address for the ME 3011 module.
The address have to be unique for the network.

### Baud Rate

The parameter ***Baud Rate*** defines the data communication speed for the Modbus protocol.
It can be selected in 110, 300, 1200, 2400, 4800, ***9600 (standard)*** and 19200 bps (**b**its **p**er **s**econd).

### Parity

The parameter ***Parity*** can be set to ***None***, ***Odd*** or ***Even***. A parity bit is a bit that is added to ensure that the number of bits with the value one in a set of bits is even or odd. Parity bits are used as the simplest form of error detecting code.

### Stop Bit

The parameter ***Stop Bit*** is setting the quantity of stop bits. Stop bits signalize the end of data transmission. You can select 1 or 2 stop bits.

***Important settings for the Modbus protocol***

In the case, that you want to use the ***Modbus protocol*** for your device,
You have to consider the following settings and information.

First, check whether the ***interface parameters*** of Modbus Master and Slave correspond.
Compare the parameters from the ***Communication*** tab, with the selected parameters
for ***Speed***, ***Parity*** and ***Stop Bits*** at your connected device.

Select the ***Communication*** tab, select ***Modbus***, to activate the Modbus protocol.

Next, select the tab ***General configuration***.
Activate the two functions ***Logical input*** and ***Event registering.***

The last setting is on the tab ***Point configuration***,
the ***Physical input*** function have to be activated here.

Finally, it is absolutely necessary to clear the ***Eventregister***.

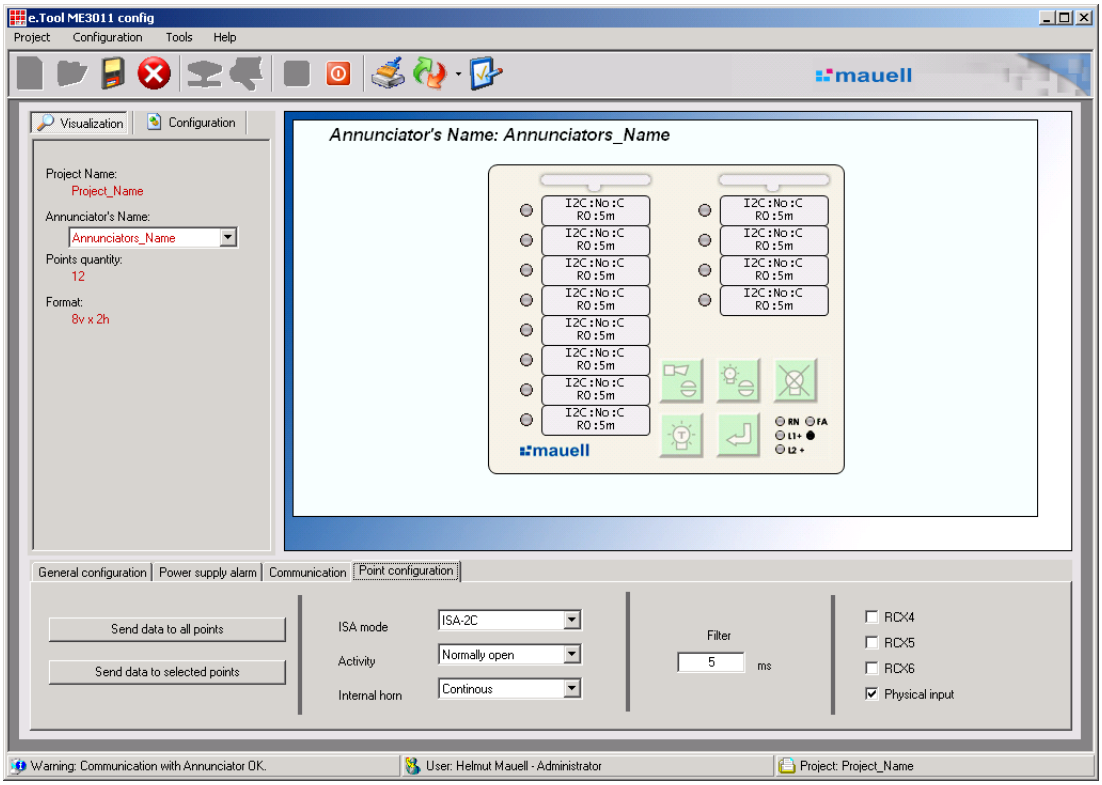
A mouse click to the menue icon ***Delete Register*** will erase the eventregister.
The deletion will take a few seconds.

If you are having problems connecting the devices,
check the cable connection and the settings made here.

Without these settings, no spontaneous changes in the inputs
will be forwarded to the IEC 60870-5-101/104 protocol interface.

## ***Point configuration***

The ***Point configuration*** is the main part of the ***e.Tool config***.
Here you can configure every single signal of any ME 3011 module.




*Picture: 2-3400e Point Configuration*

You must ***Send all data to annunciator*** to store the changed parameter inside the module.

You will find the signal point configuration in the chapter ***Visual Configuration***.

In the following chapters, you will find the possible configuration parameter.

### ISA Mode

The selection-field ***ISA Mode*** is providing a few ISA 18.1 alarm sequences.
Every ISA sequence is providing a unique visual and acoustic display for the PSFD alarm.

ISA-1, ISA-1A, ISA-1B, ISA-2A, ISA-2C, ISA-4A, ISA-4AR, STATE (see appendix)

Select the internal relays contact (RCX4, 5, 6) and it will be activated simultaneously with the related ISA mode.

### Activity

The selection-field ***Activity*** can set the selected internal relays contact (RCX4, 5, 6), to ***Normally closed*** (closed-circuit current), or to ***Normally open*** (residual-current).

**Internal Horn**

The selection-field ***Internal Horn*** is providing a few alarm modes for the internal horn.
You can choose:

- Off No horn will sound
- Continuous Horn will give an uninterrupted sound
- Intermittent 1 Horn will give a short interrupted sound
- Intermittent 2 Horn will give a long interrupted sound

**Filter**

The parameter ***Filter*** is for debouncing signals.
The duration to accept a signal, can be configured with 2.5 ms steps, from 2.5 ms up to 600 ms.

**RXC4, RXC5, RXC5**

You can choose any of the three internal relay contacts, to provide a contact signal for any alarm. For example, you can choose signal 3, 4, and 5 to switch RXC4, signal 6 to switch RXC5 and the other, to switch RXC5. Remind, that you possibly also configured one or two relays for the Power supply alarm (L1+/L2+)!

**Physical input**

The parameter ***Physical input*** is for activation of all signal inputs.
If deactivated, no signal will have any effect to the module.

## Visual Configuration

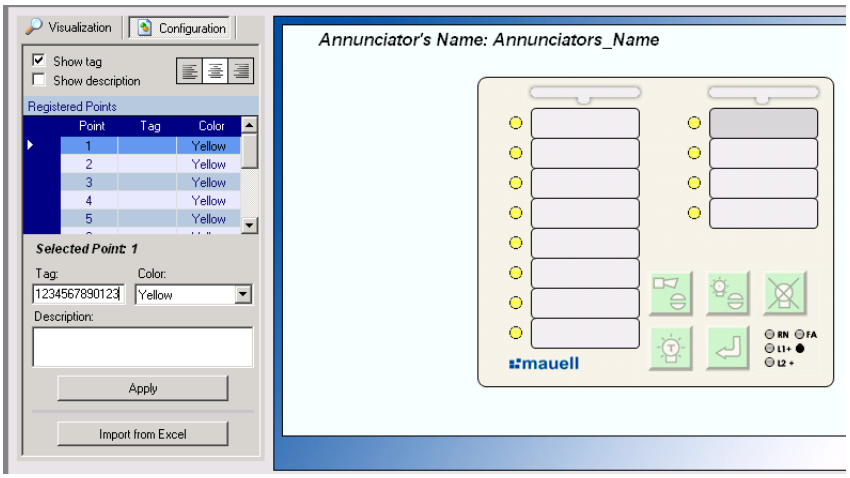
The ***Visual Configuration*** falls in two parts.

First is the ***Configuration of Signal Description*** and second is ***How to Configure a Signal***.

### *Configuration of Signal Description*

The ***e.Tool config*** is helping you to keep the overview of the signals.

You are able to ***Apply*** a ***Tag***, a ***Color*** and a ***Description*** to any ***Registered*** signal ***Point***.




*Picture: 2-2000e Config Apply*

### Tag for Signals

The text field ***Tag*** can hold up to 13 characters. It will make thinks much easier for you in the future to tag the signal points with a speaking name. Based on your project, you know best by yourself, what could be an appropriate tag.

### Color for Signals

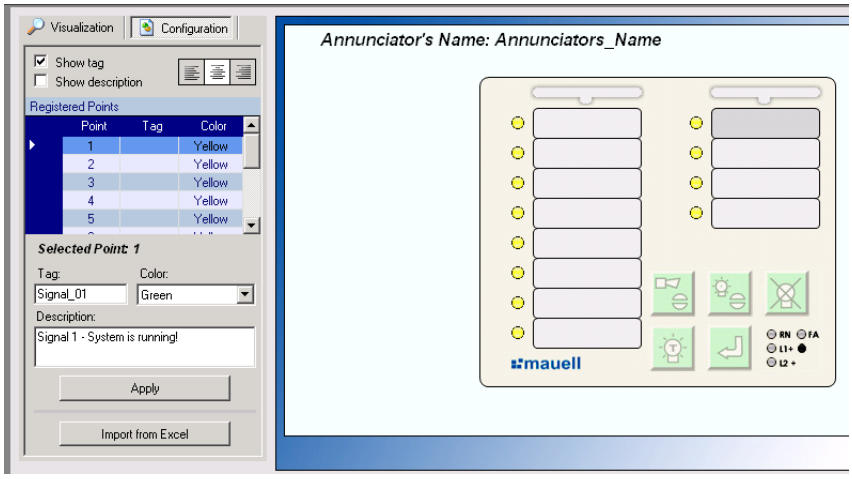
The selection field ***Color*** let you choose a color for the LED visualization in this program.
Some ME 3011 modules can hold different LED colors. Here you can set the point to its actual color.

### Description for Signals

The text field ***Description*** can hold more than 256 characters. It will make thinks much easier for you in the future to describe the signal points a little. Based on your project, you know best by yourself, what could be an appropriate description. We recommend, not to use more than 25 charters.

## ***How to Configure of Signal Description***

You just have to load a matching project,
and you can configure the signal description from the module.



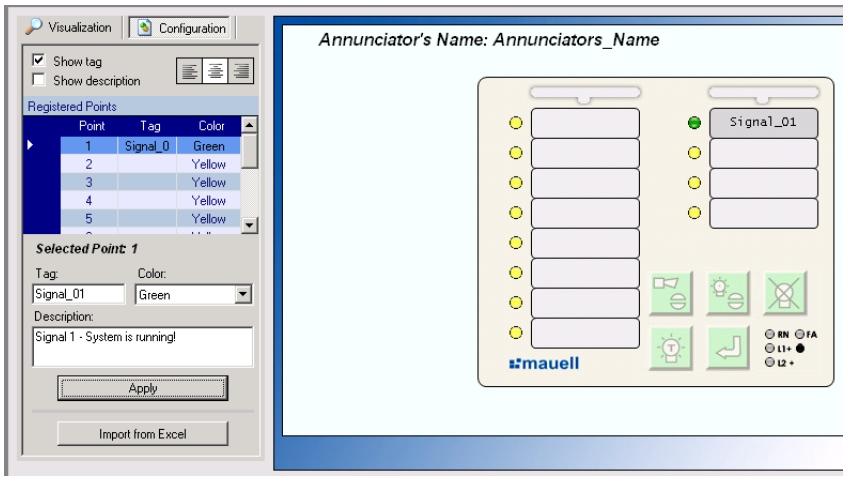

*Picture: 2-2001e Config Apply*

Select one ***Point*** at the ***Registered Points*** table. The number of points, correlates with the number of signals from the module configuration.

Enter a suitable signal name to the ***Tag*** field. For example ***Signal_01***, for the first signal. Select the LED color from the module signal. Standard is yellow, but some module can have different colors.

Enter a suitable signal specification to the ***Description*** field.
For example ***Signal 1 - System is running***.

Click the button ***Apply*** and the configuration will assume the changes.

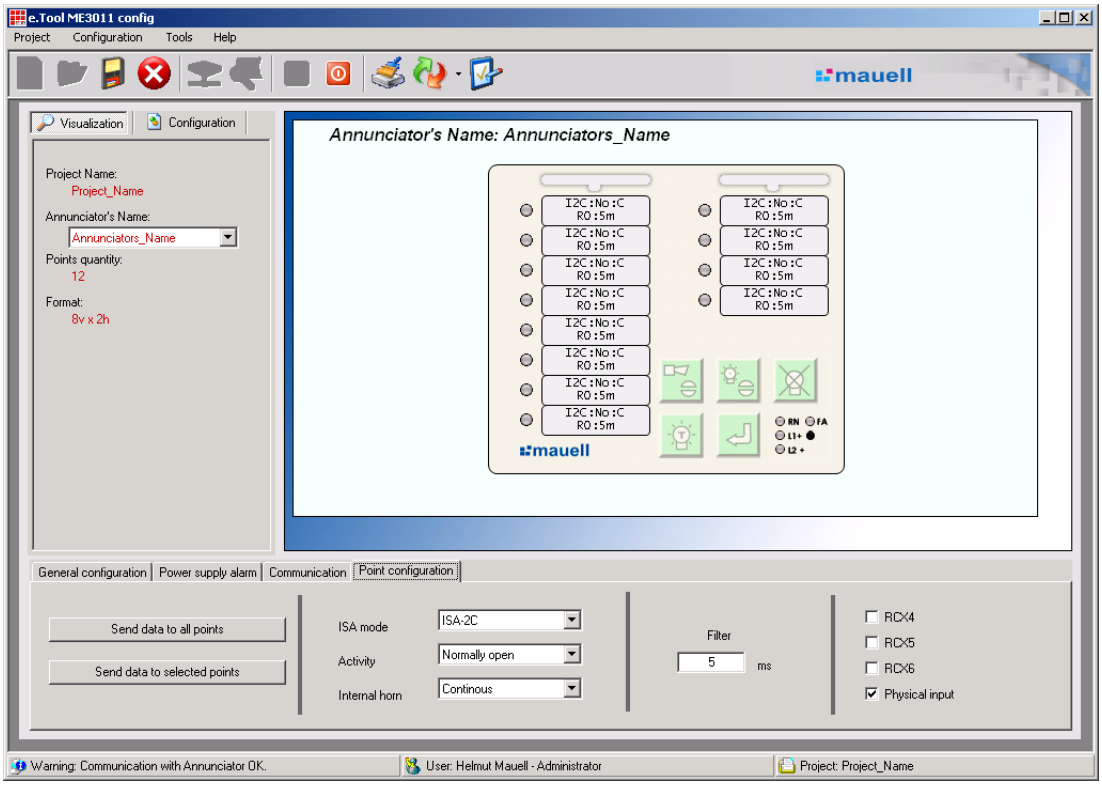



*Picture: 2-2002e Config Apply*

The module schematic is now showing the configured text and LED color.
Depending on the selection ***Show Tag*** or ***Show Description***,
you will see the tag or description text at the module label.
The label can also be aligned. Standard is centered.

## ***How to Configure a Signal***

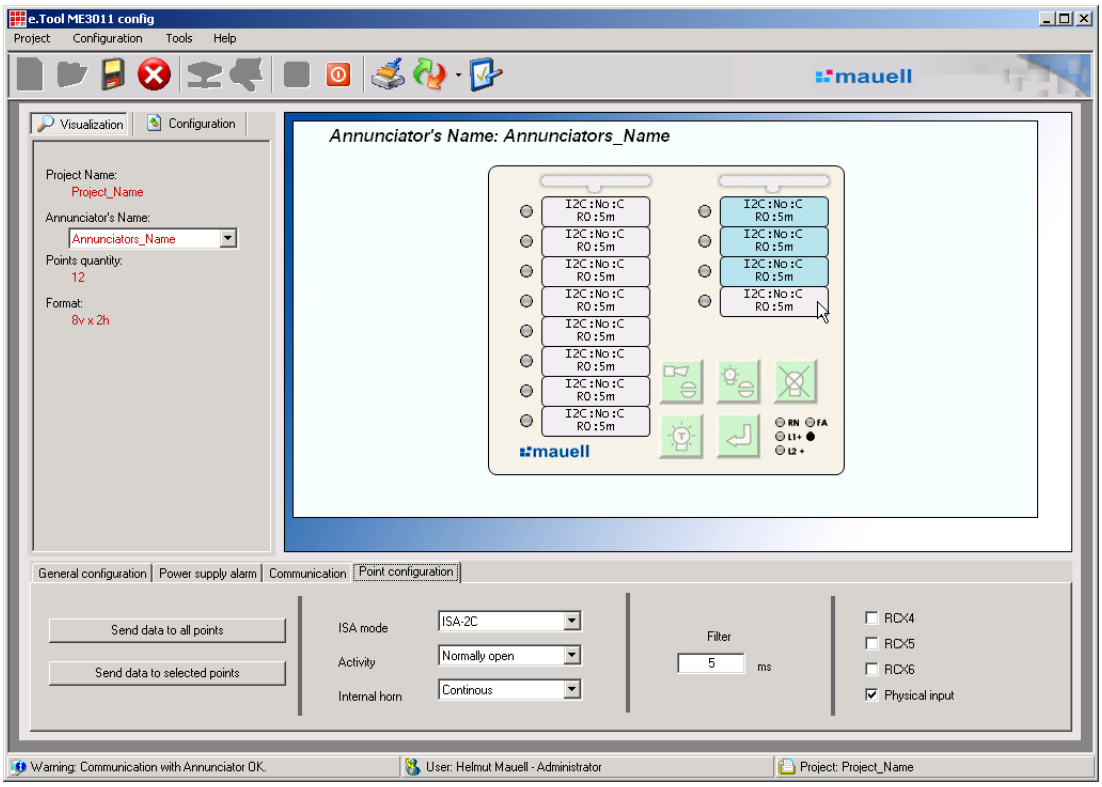
You just have to load a matching project,
and you can configure any signal of the module.




*Picture: 2-3400e_PointConfiguration*

Select the register ***Point configuration*** and you can see, how any signal of the module is actually configured. If the standard configuration do not comply with your wishes, you are free to edit the parameters.

First thing to do is, to select one ore more signals by mouse click.




*Picture: 2-3401e PointConfiguration*

Second thing is, to adjust the *Point configuration* parameters to your needs.

Than you have to store the configuration to the ***e.Tool config*** database.

Click the ***Send data to all points*** button,
to send the *Point configuration* to all signal points from the module configuration.

Click the ***Send data to selected points*** button,
to send the *Point configuration* only to the selected signal points.

You must ***Send all data to** the **annunciator*** to store the changes inside the module!

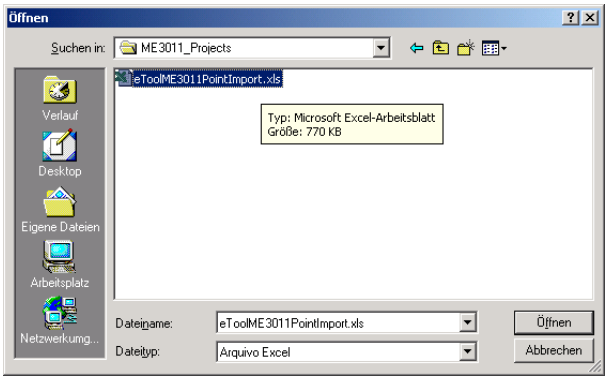
Every single label will show a short configuration info.
Just point with the mouse ***pointer*** to a ***signal*** and you will see a ***Bubble-Help*** window with the selected parameters. Press ***Strg*** on your keyboard, to keep this window open.

Exit the configuration mode by pressing the button
and your configuration will become active.

## ***Import Signal Description via Spread Sheet***

With the ***e.Tool config*** installation, you will also get a ***spread sheet*** file ***eToolME3011PointImport.xls***.
This file is for the easy import of pre-configured signal description.

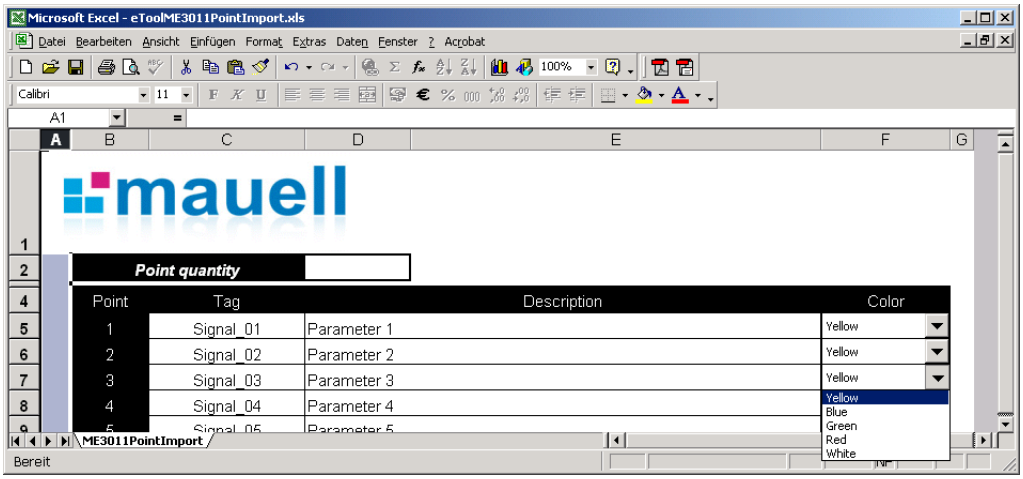
Click the button ***Import from Excel*** to open the window for selecting the desired directory and spread sheet name.




*Picture: 2-2003e Import from a spread sheet*

Click the button ***Open*** for importing the configuration file.

You will find the following Excel template in the ***e.Tool config*** program directory *(e.g. C:\Program Files\Helmut Mauell\e.Tool ME3011 config)*.




*Picture: 2-2004e eToolME3011PointImport.xls file*

Use Microsoft Excel 97 or newer to open and edit the spread sheet.
Save the spread sheet under a new name in your ME 3011 project directory.

**Tip:** You are not forced to purchase a Microsoft Excel license.
It is also possible to ***open***, ***edit*** and ***save*** the xls-import-file with ***OpenOffice***.
You will get the free ***open-source*** program at OpenOffice.org.

***Signal-tag export as PDF file***

Together with the ***e.Tool config*** installation, you get several PDF files.
These files are needed for the simple export of your signal input tag's.
In the context of the ***Configuration*** you can click to the button ***Export to PDF file*** ,
to display the window, for selecting the target directory of the PDF file.

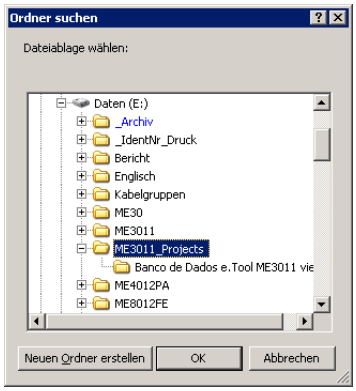



*Bild: 2-2006e Export of Signal Tag's*

Click to the Button ***OK***, to export the PDF file.

You will find the used templates in the directory of the ***e.Tool config*** program
*(e.g. C:\Program Files\Helmut Mauell\e.Tool ME3011 config)*.

When exporting, the corresponding PDF file is loaded and the signal tag's are inserted into the appropriate form fields this PDF file.

This works only if Adobe Acrobat or the free Acrobat Reader is installed on your system.

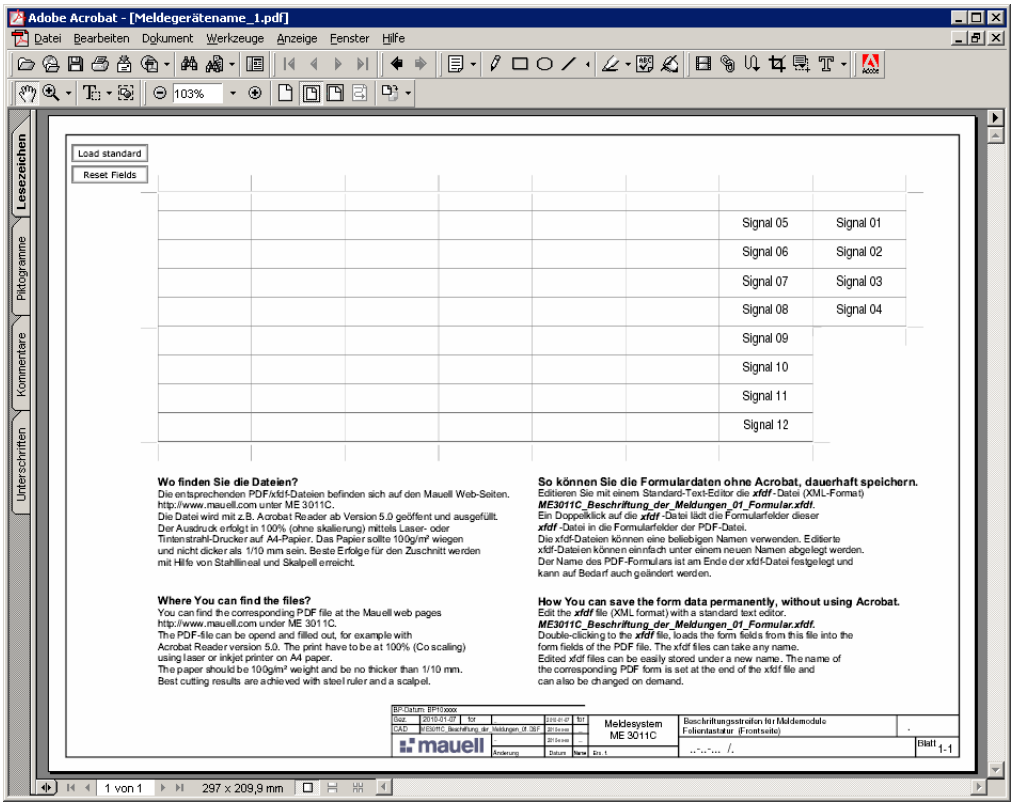



*Bild: 2-2006e PDF Export Acrobat*

Then the PDF file will be displayed. The contents of the form fields, can be changed before printing. Storing the content or exporting the form data is possible only with Acrobat. Would you like to save the current state, you only have to print with a PDF-creator in a PDF file.

Some notes on processing and printing the files you find in the file itself.

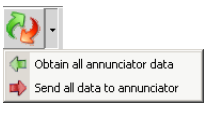
The formatting of form fields and working with xfdf files is described in the documentation of the Adobe Acrobat program.

## Appendix

In this ***Appendix*** You'll find the paged out parts of the installation program.

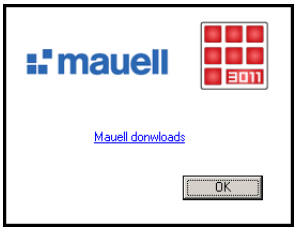
### *Description of the Toolbar Icons*

The Toolbar Icons allow fast access to often used program functions.

| | | | |
|---|---|---|---|
| | New Project | active | can create a new project |
| | New Project | inactive | a project is alreday open |
| | Open Project | active | can open a project |
| | Open Project | inactive | a project is already open |
| | Save Project | active | active project can be stored |
| | Save Project | inactive | no open project to store |
| | Close Project | active | close the active project |
| | Close Project | active | no open project to close |
| | COM is open | active | communication port (RS 232) is open |
| | COM is closed | inactive | communication port (RS 232) is closed |
| | Go Online | active | establish a connection to the module |
| | Go Online | inactive | module is disconnect |
| | Enter Config | active | start the configuration modus |
| | Enter Config | active | start the configuration modus |
| | Delete Register | active | delete the event register inside the module |
| | Delete Register | inactive | module is offline or does not have an event register |
|   | | active | receive or send a module configuration |
| | Send Data | inactive | no module is online |

### ***Where can I get help?***

Via the menu item ***Help*** you can choose the command ***Manual*** to load a window for the ***downloads***, available from Mauell.




*Picture: 1-4100e Mauell Downloads*

Click on the link *Mauell downloads*, to view the web side in you web browser.

### ***About e.Tool ME3011 config***

Via the menu item ***Help*** you can choose the command ***About*** to load a window for information ***About*** your ***e.Tool config*** installation.

*Picture: 1-4200e About*

This information window can be very useful for service requests.

***ISA 18.1 in Detail***

The ***Digital Alarm Annunciator*** can be configured for 16 signaling sequences.
The most important are the following 7:

ISA-RP 18.1/(ISA-S18.1)
ISA 1/(A), ISA 1A/(A-5),
ISA 1B/(A-4), ISA 2A/(R-8),
***ISA 2C/(M)*** default
ISA 4A/(F1A), ISA 4AR/(F1M)
etc.

Other sequences can be implemented on request.

**Alarm Sequences**

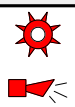
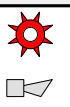
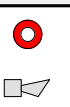
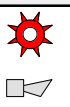
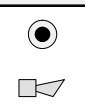
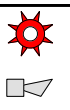
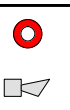
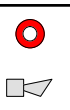
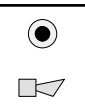
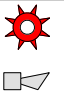
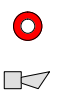
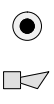
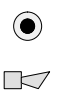
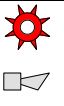
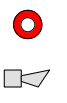
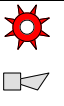
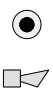
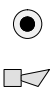
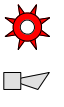
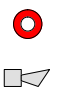
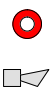
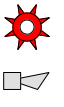
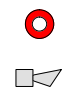
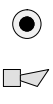
| ISA | Normal | Alarm | Acknowledge | | Back to Normal | Back to Normal before Acknowl. | Acknowledge | | Reset light |
|---|---|---|---|---|---|---|---|---|---|
| | | | Sound | Light | | | Sound | Light | |
| ISA 1 | |  |  |  | | |  |  | |
| ISA 1A | | |  |  | | |  |  | |
| ISA 1B | | |  |  |  |  | | | |
| ISA 2A | | |  |  | | |  | |  |
| ISA 2C (default) |  | |  |  |  | |  |  |  |

*Table: Alarm Sequences*

## Sequence primary Signal (1st Event)

| ISA | Normal | Alarm | | Acknowledge | | Back to Normal | | Back to Normal before Acknowledge | | Acknowledge | | Reset light |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | First | Subseq. | First | Subseq. | First | Subseq. | First | Subseq. | First | Subseq. | |
| ISA 4A | | | | | | | | | | | | |
| ISA 4R | | | | | | | | | | | | |

*Table: Sequence primary Signal (1st Event)*

## Legend

- Horn Off
- Horn On
- LED Off
- LED On – No Flashing
- LED Normal Flashing
- LED Slow Flashing

***How-To add a new Language***

You can find the configured languages in the program directory
(e.g. ***C:\Program Files\Helmut Mauell\e.Tool ME3011 config***).
First file is the language listing ***ListID.txt.***
The file is a dictionary for the existing languages.
The information meets the amount of existing languages, and its respective names.

The standard ListID.txt is looking like this:

4
Português
English
Español
Deutsch

The first line of the ListID.txt (4) is showing the amount of existing languages,
for this installation. The following lines are showing the four names of the existing languages.

Every language name stands for a separate language file with the extension ***.txt*** (e.g. English.txt).

You can not modify the sequence and amount of the lines in any Language.txt file,
because each line corresponds to a text in the ***e.Tool config*** software,
but you can change every text in the line.

To add a new language, it is necessary to edit the ListID.txt file. You also have to create a corresponding language.txt file.

The following example is showing you how to include the Français language.

**Modifying the archive ListID.txt**

Be sure to backup the current ListID.txt file first. Use a simple editor like notepad,
to change the file. Increase the number of languages from four to five and
write the name of the new language in a new last line.

| ***old*** | ***new*** |
|---|---|
| 4 | **5** |
| Português | Português |
| English | English |
| Español | Español |
| Deutsch | Deutsch |
| | ***Français*** |

Save the file to save the changes.

**Attention:** The alteration of the ListID.txt must be made carefully.
One error may influence the software in a wrong way.

**Add a new language.txt**

According to our example, you can take the english.txt file and save it as Français.txt.
The name of the language.txt have to be the same like the name in the ListID.txt.

Now you have a Français.txt with the English translation. Just change the English lines to French.
Translated text should not be longer than the replaced text.

After a restart from ***e.Tool config*** you can select the new translation.

29.02.12

## ***Known Bugs and Workarounds***

Every Software has some bugs, so does ***e.Tool config***. We are constantly improving our software but some times we still have some minor errors. Please report bugs or give us your suggestions to improve this software.

*Software Bug*

Before you report a bug, there are two things you can do.

- Make sure that you have installed the newest program release.
  It's always good to upgrade to the latest version.
- Maybe that bug has already been reported.
  Check the list of known bugs for similar entries.

Please send us the bug information, precise as possible:

- A general description of the bug. What did you expect to happen and what did actually happen?
- Whether and how can you reproduce it.
- How often does the bug occur.
- Version of your operating system and other software.

If you want to report a bug or can not find your questions answered in the online resources, please contact our support. Once the ticket is created, you can use your favorite email program for the communication.

## ***Version History***

This version history is documents the main extensions to ***e.Tool config***.

### 2012-03-01 – 4.05.1

Compared to version 4.05.1, the description of the Modbus configuration was added.

### 2011-09-12 – 4.04.1

Compared to version 4.03.1 only a few small things were changed.
The behavior of the user accounts and the password prompt has been changed.
Some texts have been adapted to the surface.
The PDF output signal of texts was made possible.

### 2009-11-19 – 4.03.1

This document is the first version of the ***e.Tool config*** manual.

## Glossary

**.NET**

.NET is a technology which combines several operating system functions and provides them at a central point. It is supposed to replace obsolete technologies or procedures of COM or API calls in program codes. .NET is a Microsoft framework.

**Configuration**

A configuration comprises all settings which can be modified within a module by means of the configuration software.

**Database**

The database is holding the ME 3011 configuration in separate file.

**GUI**

**G**rafic **U**ser **I**nterface.

**ISA 18.1**

The Instrumentation, Systems, and Automation Society (ISA) is a global, nonprofit organization for setting the standards for automation. The purpose of the ISA 18.1 standard is to establish uniform annunciator terminology, sequence designations, and sequence presentation. This standard is intended to improve communications among those that specify, distribute, manufacture, or use annunciators.

**ME 3011**

The name stands for the compact **M**auell **E**lektronik Alarm Indication System family.

**Menu Item**

Each menu provides a number of commands.

**MDAC**

Microsoft Data Access Components (MDAC) 2.8 contains core Data Access components such as the Microsoft SQL Server OLE DB provider and ODBC driver.

**Modbus**

Modbus is a serial communications protocol for use with its programmable logic controllers. It is a de facto industry standard for communications protocol, and is now the most commonly available means of connecting industrial electronic devices. ME 3011 uses RTU for a compact, binary transmission.

**Offline**

means for the module configuration that the user determines when the changes are transmitted to the module. A physical connection to the system is not required for this type of configuration (see also Online).

**Online**

means that the configuration can be transmitted to the module. This type of configuration requires a physical and logical connection between ***e.Tool config*** and the ME 3011 module to be configured (see also Offline).

**OSD**

**O**n **S**creen **D**isplay.

**PDF**

The Portable Document Format is a platform independent data format for electronic documents. PDF is an open standard IEC 32000-1:2008.

**PSFD**

**P**ower **S**upply **F**ault **D**etector is optionally and for monitoring the power supply.
RLFL is the **R**e**L**lays-**F**a**L**t output.

**RLFL1+**

See PSFD.

**RLFL2+**

See PSFD

**RXC4**

Is one of the three internal relay contact. You can bind almost any internal or external signal to this contact. It can be used as a collective annunciation for this signals.

**RXC5**

See RXC4

**RXC6**

See RXC4

**Start**

Windows button for program access by the user.

### Simulation

Simulates physical inputs.

### Window Title

The text which appears in the window's upper bar is the title of the window. This text gives information about the function and the reference of the window.

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